

# NEW PRODUCTS

## CASPASE ACTIVITY KIT

The CaspaTag Caspase Activity Kit detects active caspases in living cells. The method is based on carboxyfluorescein-labeled fluoromethyl ketone peptide inhibitors of caspases. These inhibitors are cell-permeable and noncytotoxic. Once inside the cell, the fluorescent caspase inhibitor binds irreversibly to the specific active caspases. Six different kits are available.

### Intergen

For more information call 914-694-1700 or **circle 147** on the Reader Service Card

## HPLC PUMPING SYSTEM

The 321/322 Series pumps for analytical and semipreparative chromatography provide new features for today's high-performance liquid chromatography needs. With an Adjustable Volume Dynamic Mixer, the pumping system allows

### Gilson

For more information call 800-445-7661 or **circle 148** on the Reader Service Card

variable volume adjustments for the optimization of gradient performance from analytical to semipreparative liquid chromatography. The availability of two high-performance pumping heads provides the capability of handling flow rates up to 30 ml/min and pressures up to 8700 psi.

## DIRECT LABELING OF CDNA

The Direct Microarray Reagent Kit, designed to improve the operational efficiency of labs engaged in high-throughput differential gene expression research, contains the key ingredients for direct cDNA labeling with fluorescence nucleotides. Also available are microarray QC Slides. The quality control slides contain nonmammalian, unlabeled control RNA and corresponding cDNA to facilitate determination of sample labeling efficiency, and provide internal controls for protocol development and validation.

### NEN Life Science Products

For more information call 800-551-2121 or **circle 149** on the Reader Service Card

## LITERATURE

*TurboSequest: Rapid, Accurate, Automatic Protein Identification Software* is an eight-page brochure on a powerful software package that compares and correlates uninterpreted tandem (MS/MS) mass spectra of peptides with theoretical MS/MS spectra generated from protein or nucleotide databases. Because of its exclusive cross-correlation algorithm, TurboSequest is particularly powerful for identifying proteins of relatively low abundance in protein mixtures.

### ThermoQuest

For more information call 408-965-6577 or **circle 150** on the Reader Service Card

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by *Science* or AAAS of any products or materials mentioned is not implied. Additional information may be obtained from the manufacturers or suppliers named by circling the appropriate number on the Reader Service Card and placing it in a mailbox. U.S. postage is free.

# DNA samples

DNA samples from a  
global collection network

*We can meet your sample needs from inventory or by exercising our Global Collection Network on your behalf. We are adding samples, disease states, and collection sites on a regular basis.*

## GenomicsCollaborative

*has a growing collection of DNA and serum matched to phenotypic data from patients with high prevalence diseases. These samples are available to support your research.*

*Some examples of samples we currently have, and are actively collecting, in the following disease states are:*

- Cardiovascular disease (hyperlipidemia, hypertension, AMI stroke)
- Cancers (Breast, Ovarian, Colon, Prostate, Leukemia, Lymphoma)
- Diabetes
- Asthma
- Renal failure

*All material is:*

- Collected under IRB approved protocols and compliant with GCP
- Processed and stored under GCP conditions

*For information regarding our current inventory of samples and disease states please contact us.*

## GenomicsCollaborative

1-877-GENOMIX, extension 248 (877-436-6649)  
email: [getsamples@DNArepository.com](mailto:getsamples@DNArepository.com)  
[www.DNArepository.com](http://www.DNArepository.com)

## Classified Advertising

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#### Display, Line, and Online Classified Advertising

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Fax: +44 (0) 1223 326 532  
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### POSITIONS OPEN

#### UNIVERSITY OF MASSACHUSETTS AMHERST Department of Microbiology

Applications are invited for a tenure-track faculty position in microbial genomics to begin September 2001. This appointment is expected to be filled at the **ASSISTANT PROFESSOR** level; however, appointment at a higher rank will be considered for highly qualified individuals.

Applicants should have strong research accomplishments; capability of establishing a vigorous, extramurally funded research program; and a serious commitment to education at the graduate and undergraduate levels. Candidates must have a Ph.D. plus at least two years of postdoctoral experience. Salary commensurate with qualifications and experience.

Please provide your curriculum vitae, a brief outline of research interests, recent reprints, and arrange to have three letters of reference sent to: **Genomics Search Committee, Department of Microbiology, University of Massachusetts, Amherst, MA 01003-5720.** E-mail: [microbio-dept@microbio.umass.edu](mailto:microbio-dept@microbio.umass.edu). Website: <http://www.bio.umass.edu/micro>. Review of applications will begin on November 17, 2000, but later applications may be considered.

*The University of Massachusetts is an Equal Opportunity/Affirmative Action Employer. Women and minorities are especially encouraged to apply.*

#### BEHAVIOR GENETICS/ NEUROGENETICS UNIVERSITY OF COLORADO

The University of Colorado Department of Psychology invites applications for a tenure-track Behavior Geneticist/ Neurogeneticist at the **ASSISTANT PROFESSOR** level. Candidates who employ state-of-the-art molecular and neurobiological methods to study human, vertebrate, or invertebrate models of complex behaviors and might interface with existing research programs in drug abuse, learning and memory processes, and aging will be given special consideration.

Applicants should submit curriculum vitae, a statement of research and teaching interests, example research papers, and at least three letters of recommendation to: **Behavior Genetics Search Committee, Department of Psychology, University of Colorado, Campus Box 345, Boulder, CO 80309-0345.** Inquiries should be addressed to: **Dr. Jeanne Wehner, Chair, Behavior Genetics Search; Telephone: 303-492-5663; e-mail: Jeanne.Wehner@Colorado.edu.** Applications should be completed by November 1, 2000, but will be reviewed until the position is filled. *The University of Colorado at Boulder is committed to diversity and Equality in Education and Employment.*

#### SENIOR FACULTY POSITION NEUROSCIENCE

The University of Southern California invites applications for a **TENURED POSITION** at the senior level in neurobiology and gerontology. Preference will be given to established researchers in aging, neurodegeneration, and plasticity and repair. Successful applicants will have outstanding opportunities for interaction with our multidisciplinary Neuroscience Program, including scientists with interests in synaptic plasticity, learning and memory, and neural systems. Qualified applicants should send curriculum vitae, brief statement of research interests, and arrange for three letters of reference to be sent to: **Search Committee, Program in Neuroscience, University of Southern California, Los Angeles, CA 90089-2520.** Screening of applications will begin December 2000. *University of Southern California is an Affirmative Action/Equal Opportunity Employer.*

### POSITIONS OPEN

#### FACULTY POSITIONS STRUCTURAL BIOLOGY

**JUNIOR or SENIOR POSITION.** Applications are invited for a tenure-track faculty position in structural biology. Preference will be given to applicants with expertise in NMR spectroscopy applied to problems of macromolecular structure. The successful candidate must have a record of independent research, financial support, and academic productivity commensurate to academic rank. The applicant is expected to apply interdisciplinary interest in continuation of research and in the teaching of graduate and undergraduate students in courses adopted by the School of Biological Sciences. New facilities and complementary expertise in crystallography and electron microscopy (see website: <http://sgi.bls.umkc.edu>) are available as well as competitive start-up packages.

**ASSISTANT PROFESSOR, STRUCTURAL BIOLOGY/PROTEOMICS.** The School of Biological Sciences, as part of the expansion of its protein structural biology program, which has been selected for comprehensive development within the School, seeks investigators with outstanding potential in any aspect of molecular or cellular structural biology to complement or expand existing activities in spectroscopy (including a new NMR facility), mass spectrometry, crystallography, or microscopy. University of Missouri-Kansas City faculty, as part of the Southeast Regional Collaborative Access Team, can use the Advanced Photon Source at Argonne National Laboratory to conduct research. Excellent start-up package, competitive salary, and state-of-the-art instrumentation available. Successful candidates for this tenure-track position will participate in undergraduate- and graduate-level instruction and must have two to three years of postdoctoral experience in an appropriate field. In addition, candidates must have received graduate and preferably undergraduate instruction in an English-speaking environment (a seven-year residence in such environments will satisfy this requirement).

Evaluation of applications will begin November 3, 2000. Candidates should provide curriculum vitae; a brief statement of research interests; and the names, addresses, and telephone numbers of four references to: **Search Committee (please specify position), Office of the Dean, School of Biological Sciences, 5007 Rockhill Road, University of Missouri-Kansas City, Kansas City, MO 64110.** An Affirmative Action/Equal Opportunity Employer.

#### ENVIRONMENTAL INSTITUTE ENVIRONMENTAL STUDIES WESTERN MICHIGAN UNIVERSITY

The Environmental Institute and its Environmental Studies program at Western Michigan University seek applications for two full-time tenure-track **ASSISTANT PROFESSOR** positions for fall 2001.

**Watershed ecology:** This position will be based in the Environmental Institute with a joint appointment in Biological Sciences. The position requires (1) Doctorate in aquatic, benthic, or pollution ecology; (2) a strong working knowledge of watershed policy and management; plus (3) various research, outreach, and teaching expectations.

**Environmental biotechnology:** This position will be based in the Environmental Institute with a joint appointment in Chemistry. The position requires (1) Doctorate in cellular and molecular biology with an emphasis on the environmental toxicology of lower vertebrates; (2) a strong working knowledge of genomics, bioinformatics, and environmental health; plus (3) various research and teaching expectations. For full details, see website: <http://www.wmich.edu/env/>. For additional information, contact: **Dr. Charles Ide, Director, The Environmental Institute, Western Michigan University, 1903 West Michigan Avenue, Kalamazoo, MI 49008-5419.** FAX: 616-387-2272; e-mail: [charles.ide@wmich.edu](mailto:charles.ide@wmich.edu). Review of applications will begin November 1, 2000, and applications will be accepted until the position is filled. *Western Michigan University, a student-centered research university, encourages applications from underrepresented groups.*

# PENNSTATE



## Altoona

### BIOLOGY

(Tenure Track)

The Pennsylvania State University, the Altoona College invites applications for a tenure-track position in invertebrate zoology at the rank of Assistant Professor of Biology. Applicants with a research focus in biology, physiology, behavior, ecology, conservation, or systematics of invertebrates are preferred. Primary teaching responsibilities include introductory biology courses and an upper level course in the candidate's area of expertise. Interest in contributing to our new interdisciplinary Environmental Studies program desirable.

Penn State Altoona is located in a suburban setting forty-five miles from the University Park Campus. The approximately 3800 undergraduate students can complete one of ten baccalaureate majors or nine associate degrees at Altoona. The college also offers the first two years of 160 Penn State baccalaureate degrees. Degree offerings at Penn State Altoona will continue to expand.

The position requires an earned doctorate and is a tenure-track appointment at the level of assistant professor or a rank commensurate with qualifications beginning in Fall 2001. Applicants should present a record of evidence and potential effectiveness in teaching, research, and service. Candidates with a commitment to undergraduate education, interest in undergraduate research, and/or experience in program development will be given strong consideration.

Applicants should send a letter of application establishing their qualifications; a current vita; a description of teaching philosophy and evidence of teaching effectiveness; a statement of research interests; transcripts (official transcripts required at the time of an interview); and a minimum of three letters of reference. Review of applications will begin the week of November 1, 2000, and continue until the position is filled. All inquiries and applications should be sent to: Chair Search Committee for Biology, Penn State Altoona, Box SCI, 3000 Iyyside Park, Altoona, PA 16601-3760

For additional information about Penn State Altoona, please visit our web page at <http://www.aa.psu.edu>

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.



### Harvard University Director of Research Affairs Center for Genomics Research

The Faculty of Arts and Sciences seeks a Director of Research Affairs to play a leading role in the Center for Genomics Research, a multi-disciplinary research center that develops and uses new technology for the integrative analysis of biological processes. In close collaboration with the Scientific Director, the Director of Research Affairs will develop and communicate a strategic vision for the Center, raise funds, hire Fellows, and provide outreach to faculty within the Faculty of Arts and Sciences and the University. The Director of Research Affairs will serve as the chief operating officer of the Center and will oversee its financial, facilities, and human resource functions. For more information about the Center, see our website at [www.cgr.harvard.edu](http://www.cgr.harvard.edu).

**REQUIREMENTS:** The successful candidate will have a broad scientific background, with a Ph.D. in biology or related fields. Familiarity with the field of genomics is essential. Other requirements are excellent written and verbal communication skills; experience in grant writing; the ability to communicate with scientific and lay audiences; strong general administrative skills and a demonstrated ability to manage a program of this scope.

Please send cover letter and resume to: **Professor Andrew Murray, c/o Resume Processing Center, Req. #7431, 11 Holyoke Street, Cambridge, MA 02138.**

*Equal Opportunity Employer*



### MAYO CLINIC POSTDOCTORAL POSITION

A postdoctoral position (NIH-funded) is available immediately to study mechanisms of normal and malignant human B lymphocyte proliferation and differentiation. Projects include molecular basis of cytokine responsiveness and gene expression profiling of normal B vs. malignant B lymphocytes. Applicants must have a recent Ph.D. degree and research experience in cellular immunology, molecular biology, and/or signal transduction is highly desirable. A highly competitive salary with full benefits is available to motivated candidates. Send a letter of application, curriculum vitae, and names of three references to:

**D.F. Jelinek, Ph.D.**  
Department of Immunology  
Guggenheim 420  
Mayo Clinic  
200 First St. SW  
Rochester, MN 55905  
E-mail: [jelinek.diane@mayo.edu](mailto:jelinek.diane@mayo.edu)

*Mayo Foundation is an affirmative action and equal opportunity employer and educator.*

### Infinite Discoveries Unparalleled Opportunities

#### Staff Scientist/ Senior Staff Scientist

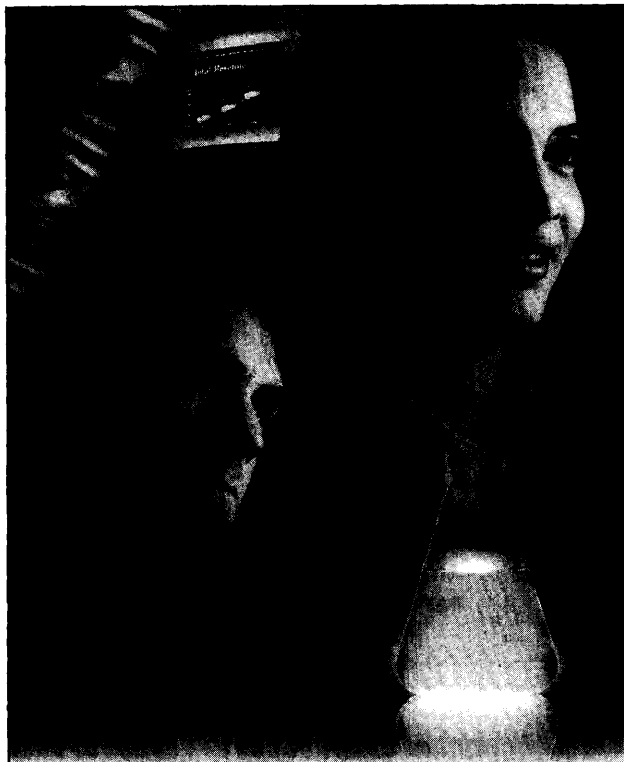
The pharmaceuticals market is rapidly changing; evolving and maturing everyday as new ways and tools are being developed to improve the quality of human life. Ideas, outstanding performance and the growth and caring of our people are at the core of our value system. Our future is in the hands of the individuals who make up our company.

Use your experience and skills in protein purification and enzymatic assay creation to become an integral part of our Antimicrobial group. A BS/MS is required along with relevant experience; while molecular biology skills are desired but not essential.

Our commitment to our employees includes an excellent salary and a comprehensive benefits package. To apply, please forward your cover letter and resume to: **DuPont Pharmaceuticals Company, Attn. Human Resources, Job Code: AMS-AMG, Experimental Station, E400/2413, Route 141 and Henry Clay Rd., Wilmington, DE 19880; e-mail: [AMSresume@dupontpharma.com](mailto:AMSresume@dupontpharma.com).** Please indicate job code on all correspondence. An Equal Opportunity Employer.



DuPont Pharmaceuticals Company



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**careers that matter**

### Research Scientist

Using your experience in protein structure and function, you will purify proteins using state-of-the-art techniques, covalently modify proteins using standard chemistries and quantitatively define the extent of modification. This position requires a PhD and 2-3 years post doctoral experience, including experience with protein chemistry, covalent modification, purification and chemical, kinetic and thermodynamic characterization. Knowledge of biophysical approaches, AUC, CD, SPR, ITC and enzymology is desirable, and in-depth knowledge of cell structure and function is essential. Ad Code: 0007874SCI

### Senior Analytical Chemist

As a lab leader in our Chemical Technologies Group, you will develop forefront technologies and methodologies in analytical and preparative chromatography for the quality assurance of chemical libraries produced through combinatorial and parallel synthetic methods. You must have a PhD and 2 years experience in analytical chemistry and a background in theoretical experimental separation science. You must be familiar with LC-MS and LC detector technologies and possess an in-depth understanding of automation strategies, data integration and external/internal collaborations. Knowledge of Visual Basic, C++ and Oracle is essential. Ad Code: 0008051SCI

### Assistant/Associate Scientist

You will use chromatographic methods such as HPLC, FPLC and BioCAD to develop means for the characterization and analytical preparative purification of proteins for use as reagents and for structural studies. You will also develop biochemical methods for the analysis of chemical and enzymatic *in vivo* modifications of proteins. This position requires a BS/MS in Biology or related discipline, as well as 1 or more years related experience; 1-5 years experience preferred. You must be proficient in biophysical characterization of the solution properties of proteins and the use of biochemical techniques for the analysis of Structure/Function relationships of proteins. Ad Code: 0009881SCI

### BS/MS SYNTHETIC ORGANIC CHEMISTS

We have outstanding opportunities for Chemists who have a degree and laboratory research experience in a relevant field, strong academic achievements and excellent communication and interpersonal skills. Knowledge and experience in isolation, separation and purification techniques and in using IR, NMR and Mass Spectroscopy as analytical tools are required.

### Medicinal Chemistry in Human Health, Discovery

You will conduct synthesis, purification and characterization of novel small molecule biological effectors toward the research of CNS disorders, inflammatory diseases, immunological disorders, cancer, diabetes, obesity, cardiovascular diseases, osteoporosis, and infectious diseases. Ad Code: 0009142SCI

### Process Research, Discovery

Your responsibilities will include applying synthetic and mechanistic organic chemistry to assist in the design and development of practical synthesis of drug candidates to be scaled by kilo lab and pilot plant facilities supporting drug development. Ad Code: 0009422SCI

Recently ranked among *Fortune's* 100 Best Companies to Work For, Pfizer offers an exceptional work environment complete with training opportunities designed to develop your professional talents. We encourage all candidates to apply online through our website at **[www.pfizer.com](http://www.pfizer.com)**. If necessary, you may also mail your resume, indicating the appropriate Ad Code, to: PGRD, c/o Aon Consulting, PO Box 25, Findlay, OH 45839. An Equal Opportunity Employer, Pfizer offers a workplace rich with diversity and potential.

**TWO FACULTY POSITIONS**  
**DEPARTMENT OF MOLECULAR BIOLOGY AND GENETICS**  
**CORNELL UNIVERSITY**

The Department of Molecular Biology and Genetics is seeking two tenure-track ASSISTANT PROFESSORS. Successful candidates will be expected to establish vigorous independent research programs, participate in teaching at both graduate and undergraduate levels and contribute to departmental and university initiatives in mammalian and comparative genomics (see <http://www.mbg.cornell.edu>). The department includes faculty with research programs in development, cell biology, genetics, population genetics, molecular biology, structural biology and biochemistry.

**MOUSE DEVELOPMENTAL BIOLOGY**

We invite applications from outstanding individuals who study the developmental biology of the mouse, with preference for research programs that address fundamental questions in developmental biology using molecular/cell biological and/or genetic approaches. The successful candidate is expected to contribute to the teaching of developmental biology. Candidates should submit a curriculum vitae, a description of research plans and arrange for three letters of recommendation to be sent to: **Dr. Kenneth Kemphues, Mouse Development search committee, Department of MBG, 107 Biotechnology Bldg., Cornell University, Ithaca, NY 14853.** The committee will begin reviewing applications on December 1.

**HUMAN POPULATION GENETICS**

We seek outstanding applicants with expertise in the molecular and quantitative analysis of population genetics and who investigate the extent, distribution, causes and consequences of genetic variation in the human genome. Individuals who will contribute to campus-wide programs in comparative, evolutionary, mammalian, and/or computational/statistical genomics are of particular interest. The successful candidate is expected to be able to contribute to teaching in population genetics, human genetics, and/or comparative genomics. Outstanding experimental and computational resources and facilities are available. Candidates should submit a CV, statement of research and teaching interests, and copies of up to five publications, and arrange for three letters of recommendation to be sent to: **Dr. Charles Aquadro, Human Population Genetics search committee, Department of Molecular Biology & Genetics, 107 Biotechnology Bldg., Cornell University, Ithaca, NY 14853.** Review of applicants will begin November 15, and will continue until the position is filled.

**CORNELL**  
 UNIVERSITY

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<http://www.cornell.edu>

## The Next Technology Revolution

**Locus Discovery** is an exciting new post-genomic biopharmaceutical company specializing in drug discovery using a novel supercomputer-based computational approach to rapidly design small molecule drugs for protein targets. Our technology can dramatically accelerate drug discovery to enable us to identify new drugs substantially faster, with a much higher success rate and on a vastly larger scale than has previously been possible.

We are seeking experienced and motivated professionals with appropriate pharmaceutical/biotechnology industry experience to join us in this exciting endeavor, located at our new facilities in the suburban Philadelphia area:

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- DIRECTOR OF BIOCHEMISTRY
- DIRECTOR OF MEDICINAL CHEMISTRY
- DIRECTOR OF SCIENTIFIC COMPUTATION
- COMPUTATIONAL CHEMIST
- SCIENTISTS/SENIOR SCIENTISTS
- CHEMISTRY ASSISTANTS/ASSOCIATES
- SCIENTIFIC SOFTWARE ENGINEER/ANALYST

For position requirements or to apply for any position, please visit us at [www.locusdiscovery.com](http://www.locusdiscovery.com)

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EOE

**The Nemours Foundation**

The Department of Research of the Nemours Foundation at the Alfred I. duPont Hospital for Children in Wilmington, Delaware is expanding its newly formed Bone and Cartilage Research Laboratory. The following opportunities are available:

### Postdoctoral Fellowships in Orthopaedic Research Research Associate

These positions are available immediately to join an ongoing research program focused on the molecular aspects extracellular matrix gene regulation in development and degenerative joint diseases. Projects include an NIH-funded research project involving novel approaches to the study of cartilage degradation by sodium MRI, characterization of perlecan gene expression and function in synovium and cartilage, and generation of transplantable bio-matrices for cartilage and bone repair.

Applicants should have a strong background in the areas of molecular biology and biochemistry. Experience in the area of chondrocyte biology and extracellular matrix would be desirable but is not necessary. Postdoctoral fellowship applicants must have a Ph.D., or M.D. Research Associate should have an M.S. or equivalent experience.

The Alfred I. duPont Hospital for Children is the pediatric teaching hospital of Thomas Jefferson University and one of the largest Pediatric Orthopaedic practices in the United States. The hospital is located on a 300-acre estate in Wilmington, Delaware and offers the cultural and professional advantages of larger cities, given its convenient location 30 minutes from Philadelphia, 1.5 hours from Washington, D.C. and 2 hours from New York City.

Applicants should submit CV and names of three references to: **Dr. George R. Dodge, Director of the Orthopaedic Research Program, Alfred I. duPont Hospital for Children, P.O. Box 269, Wilmington, DE 19899, (e-mail is preferred) [gdodge@nemours.org](mailto:gdodge@nemours.org). Fax: (302) 651-6888.** The Alfred I. duPont Hospital for Children is an equal opportunity/affirmative action employer.

ALFRED I.  
**duPont**  
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*An Operating Division of the Nemours Foundation*

Visit our Web site:  
[www.KidsHealth.org](http://www.KidsHealth.org)

## Faculty Position in Cellular and Molecular Pharmacology

The Department of Pharmacology at the Robert Wood Johnson Medical School-University of Medicine and Dentistry of New Jersey invites applications for a tenure-track faculty position at the level of Assistant Professor. Exceptionally strong candidates at more advanced levels will also be considered. The specific area of expertise is open, but preference will be given to candidates who complement existing departmental research interests (see <http://www2.umdj.edu/~pharm/pharmdep.htm>). The successful candidate will be expected to teach medical and graduate students and to establish a vigorous research program.

Robert Wood Johnson Medical School is on the campus of Rutgers University and is part of a thriving scientific research community that includes the Center for Advanced Biotechnology and Medicine (CABM), the Waksman Institute of Microbiology, and The Cancer Institute of New Jersey (CINJ). The neighboring institutions are further linked by a multidisciplinary and integrated graduate program in Molecular Biosciences (<http://lifesci.rutgers.edu/~molbiosci/>). Piscataway is located across the Raritan River from New Brunswick, a recently revived small northeastern city. New York City is a short 45-minute train ride to the north, the Atlantic Ocean and beaches are 45 minutes to the east and the rolling hills of the Garden State lie immediately to the west.

Applicants should submit curriculum vitae, summary of past research and proposal for future research, reprints of two to three significant publications, and have three letters of reference forwarded to: **Dr. Tariq M. Rana, c/o Melissa McNamara, Chair of the Search Committee, Department of Pharmacology, Robert Wood Johnson Medical School-UMDNJ, 675 Hoes Lane, Piscataway, NJ 08854.** The deadline for receipt of applications is Dec 1, 2000.

**UMDNJ**  
 NEW JERSEY

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you'll find this to be

## **AN AMAZING OPPORTUNITY.**

Discovering brilliant new cures is easier to achieve when your company is rapidly growing in sales, stability and resources. That's what we're experiencing with the merger of Monsanto and Pharmacia & Upjohn, where 60,000 professionals have come together to form a \$17 billion first-tier pharma organization: **Pharmacia Corporation**. By investing more than \$2 billion annually in pharmaceutical R&D we are developing one of the strongest patent positions in the industry. A challenging opportunity now exists for an individual to join our **suburban Chicago team** as:

### **Senior Scientist – Oncology PK/Metabolism Job Code: 00-3831**

In this important role, you will assure preclinical PK/ADME support for the development of NCEs from discovery through regulatory submission; act as preclinical PK/ADME project team member for at least one development project NCE; design, facilitate, and report preclinical PK/ADME studies; and author appropriate sections of regulatory submissions (IND, CTX, NDA, MAA, BLA, etc.). In addition, this individual will interact with regulatory agencies worldwide; collaborate with colleagues in Tox/Path, Discovery, Clinical Research, and other departments to ensure achievement of project objectives; work with specialized pharmacokinetic analysis software and with specific document creation/management software to facilitate authorship, review and completion of study reports/summaries; and determine schedules/deadlines for studies contributing to overall project milestones.

To qualify, you must possess a Ph.D. in Pharmaceutical Science, Pharmacology or related field along with 3 years of industrial experience on preclinical PK/ADME projects in a development setting with a pharmaceutical company. Knowledge of GLP and ICH guidelines, metabolite identification, PK/PD modeling and PK data analyses software required. Additional prerequisites include publications on PK/ADME in peer reviewed scientific journals; strong interpersonal, verbal and written communication skills; the ability to interact with all levels to effectively communicate metabolism contributions, goals and objectives for each project.

We offer a competitive salary and benefits package including tuition reimbursement and 401(k). **For fastest consideration, please submit your resume in scannable format and Ad Code 00-3831 noted on your cover letter, to: [monsanto@aon-hros.com](mailto:monsanto@aon-hros.com) or mail to: Monsanto, Ad Code 00-3831, PO Box 1262, Findlay, OH 45840. EEO/AA Employer M/F/D/V. For more information and other vacancies, please visit our website at [www.pharmacia.com](http://www.pharmacia.com) and click on Monsanto.**

**PHARMACIA**



## **UNIVERSITY OF MISSOURI-COLUMBIA 38 Faculty Positions in Life Sciences**



The University of Missouri-Columbia is significantly enhancing its life sciences research mission. An infusion of state funding is advancing excellent interdisciplinary programs linking Engineering; Human Environmental Sciences; Nursing; Medicine; Veterinary Medicine; Arts and Science; and Agriculture, Food and Natural Resources. Enhancement of the life sciences mission focuses on 1) recruiting outstanding faculty scientists and 2) building research infrastructure. Searches are currently underway for 38 positions. Primary appointments are indicated parenthetically with each position:

### **Cancer Center**

Director for integrated, University-wide, multidisciplinary MU Cancer Center

### **Food Production and Soybean Biotechnology**

Endowed Professor, Soybean Biotechnology (Plant Sciences/Biochemistry)

Endowed Professor, Plant-Microbe Interactions (Plant Sciences)

Asst. Professor, Integrated Pest Management of Field Crops (Entomology)

Asst. Professor, Crop Physiology (Agronomy)

Asst. Professor, Cropping Systems Management (Agronomy)

### **Nutritional Sciences**

Endowed Professor, Small Animal Nutrition (Veterinary Medicine)

Ext. Asst./Assoc. Professor, Dairy Nutrition (Animal Sciences)

Asst. Professor, Mineral Nutrition/Radioisotopes (Human Environ. Sciences)

Asst. Professor, Human-Exercise Physiology (Human Environmental Sciences)

### **Radiopharmaceutical Sciences**

Asst. Professor, Receptor Biochemistry (Medicine)

Asst./Assoc. Professor, Radiopharmaceutical Sciences (Medicine)

### **Microbial Pathogenesis**

Asst./Assoc. Professor, Immunology (Medicine)

Asst./Assoc. Professor, Immunology and Rheumatology (Medicine)

Assoc. Professor, Bacteriology (Veterinary Medicine/Medicine)

### **Reproductive Sciences**

Endowed Chair, Animal Genomics (Animal Sciences)

Asst. Professor, Cell Biology/Developmental Biology (Agriculture)

Asst. Professor, Embryology/Developmental Biology (Agriculture)

### **Vision Sciences**

Asst./Assoc. Professor, Vision Sciences (Medicine/Veterinary Medicine)

### **Gerontology and Aging**

2 Asst. to Full Professors, Health Services-Geriatrics (Medicine)

Asst. to Full Professor, Exercise/Physical Rehab. Gerontological Nursing (Nursing)

Asst. to Full Professor, Dementia/Mental Health Gerontological Nursing (Nursing)

### **Informatics**

Professor, Bioinformatics-Crop Genomics (Engineering)

Asst./Assoc. Professor, Medical Informatics and Health Care Systems (Medicine)

Asst. to Full Professor, Remote Sensing Technology and Applications (Engineering)

Asst. Professor, Human-Computer Interface (Engineering)

Asst. Professor, Social and Ethical Aspects of Computers (Engineering)

Asst. Professor, Cryptography (Engineering)

### **Neurosciences**

2 Asst./Assoc. Professors, Addictions Research (Medicine/Psychology)

Professor, Neurobiology (Biological Sciences)

Asst. Professor, Neurobiology (Biological Sciences)

### **Autonomic Neuroendocrine Control**

Assoc./Full Professor, Molecular Biology/ Physiology (Veterinary Medicine)

Asst. Professor, Molecular Biology/ Physiology (Veterinary Medicine)

### **Other Life Sciences**

Asst. Professor, Experimental Biological Physics (Physics & Astronomy)

Tenure or Clinical Track, Anatomy (Veterinary Medicine)

Adult Nursing (Nursing)

See [http://www.research.missouri.edu/web\\_research/lsmc/newpositions.html](http://www.research.missouri.edu/web_research/lsmc/newpositions.html) for descriptions of the positions, search committee addresses, and application deadlines. Applicants should send curriculum vitae, research program summaries, representative publications, and three professional references to the appropriate search committee chair.

# *fellowships*

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## AAAS Science + Technology Policy Fellowships 2001:02 >>>

**What >>>** Help shape science and technology policy in Washington, DC: Contribute scientific and technical information and external perspectives to federal decision-making, while learning how government works. The AAAS fellowship programs provide a unique participatory public policy experience for scientists and engineers, through one-year assignments involving domestic and international science policy issues in the Congress and several executive branch agencies. Stipends typically range from \$48,000 to \$52,000.

**Who >>>** Applicants must have a Ph.D. or equivalent doctoral-level degree in any physical, biological or social science, any field of engineering, or any relevant interdisciplinary field. Engineers with master's degrees and three years of post-degree experience also may apply. U.S. citizenship is required. Federal employees are not eligible. Approximately 50 fellowships are awarded each year in nine different programs.

**When >>>** The fellowship year begins September 1, 2001. Fellows attend a two-week orientation before beginning their assignments and participate in a year-long seminar series on topics relevant to science, technology, and public policy. **Application deadline is January 10, 2001.**

**Where >>>** Fellows are placed in the Congress, the National Science Foundation, the National Institutes of Health, the Department of State, the Department of Defense, the Agency for International Development, the Environmental Protection Agency, the Department of Agriculture, the Food and Drug Administration, the Department of Justice, and other federal offices.

**Why >>>** AAAS sponsors these programs to provide the opportunity for accomplished and societally-aware scientists and engineers to participate in and contribute to the public policy-making process of the federal government. The programs include:

- |  |   |   |
|--|---|---|
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| + AAAS/NIH Science Policy Fellows          | + Defense Policy Fellows                      | + Risk Policy Fellows                         |
| + AAAS/NSF Science and Engineering Fellows | + Science, Justice, and Public Policy Fellows | + Roger Revelle Fellows in Global Stewardship |

**How >>>** For application instructions and further information: [fellowships.aaas.org](http://fellowships.aaas.org).  
AAAS Science and Technology Policy Fellowship Programs, 1200 New York Avenue, NW,  
Washington, DC 20005 • Phone 202/326-6700 • E-mail [science\\_policy@aaas.org](mailto:science_policy@aaas.org)  
Underrepresented minorities and persons with disabilities are encouraged to apply.

→ [fellowships.aaas.org](http://fellowships.aaas.org)





**Johns Hopkins Medicine**  
**Department Director**  
**Pathology**

The Johns Hopkins University School of Medicine and The Johns Hopkins Hospital are seeking a distinguished and innovative scientist to lead our Department of Pathology. Applicants should have evidence of leadership qualities and demonstrated outstanding abilities in research, teaching, clinical care, and administration.

Please send letter of application, curriculum vitae, and bibliography to:

**Gerald W. Hart, Ph.D., Chairman**  
**Pathology Search Committee**  
**The Johns Hopkins University School of Medicine**  
**c/o Office of the Dean**  
**720 Rutland Avenue, Suite 124**  
**Baltimore, MD 21205-2196**  
**(410) 955-2411**

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**FLORIDA**

**Institute of Food and Agricultural Sciences**

**GRADUATE FELLOWSHIPS AND**  
**RESEARCH ASSISTANTSHIPS**

The Department of Fisheries and Aquatic Sciences, at the University of Florida, is one of the newest and fastest growing institutes for aquatic research in the southeastern United States. Our primary research areas of Aquaculture, Freshwater Fisheries and Limnology, and Marine Fisheries and Ecology provide a wide range of educational and research opportunities. We are seeking exceptional students for the following:

**COASTAL MARINE ECOLOGY ASSISTANTSHIPS**

Positions available spring and fall 2001 at the Masters and Ph.D. level for research in biogeochemistry, food web dynamics, plankton ecology, bivalve bioenergetics and bivalve feeding ecology. Send application materials to: Dr. Edward Philips at address below. 352-392-9617 x248. [philips@ufl.edu](mailto:philips@ufl.edu)

**D.M. SMITH MARINE DOCTORAL FELLOWSHIP**

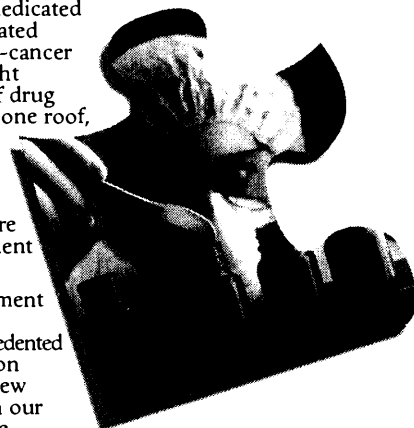
Position available fall 2001 at the Ph.D. level for research related to fisheries ecology in coastal marine ecosystems, particularly habitat relationships and processes affecting population and community dynamics. Send application materials to: Dr. William Lindberg at address below. 352-392-9617 x 239. [wjl@ufl.edu](mailto:wjl@ufl.edu)

**Applications should include:** (1) Application materials obtained from: Graduate Coordinator, Dept. Fisheries & Aquatic Sci., Univ. of Florida, P.O. Box 110600, Gainesville, FL, 32611-0600; (2) Cover letter specifying interest in Assistantship or Fellowship; (3) Summary of research questions and approaches that most interest you.

Additional information can be found at our website  
[www.ifas.ufl.edu/~fishweb/](http://www.ifas.ufl.edu/~fishweb/)

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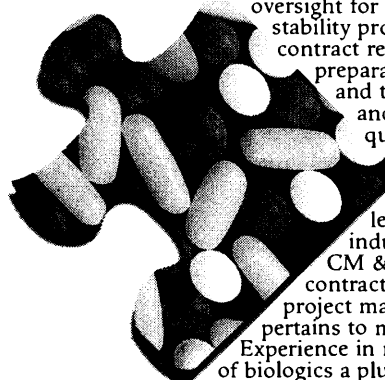
ILEX Oncology is dedicated solely to the accelerated development of anti-cancer drugs. We've brought together all facets of drug development under one roof, enabling faster communications between disciplines, earlier problem recognition and more rapid impact assessment and response.



Due to our commitment to excellence we are experiencing unprecedented growth and expansion which has opened new opportunities within our organization. We are currently seeking the following professionals to join us in our San Antonio headquarters.

## Director, CM & C Management

This position is available in our Products division. The Director has responsibility for the API and drug product in the ILEX Products portfolio. Candidate will have experience in planning and strategic decision making impacting drug development. This individual should be able to manage the following drug development areas: sourcing API and product manufacturing, analytical methods development, transfer and validation, oversight for process development, stability programs, rfp and contract review, budget preparations and management, and timeline preparations and review. Minimum qualifications are a Ph.D. in organic chemistry or biochemistry and at least 5 years of relevant industry experience in CM & C liaison with contract manufacturing and project management as it pertains to manufacturing. Experience in manufacturing of biologics a plus.



## Sr. Research Associate

Position ensures proper conduct of lab studies to support regulatory safety requirements for new career drugs; and coordinates and executes activities of drug studies in animals. Candidates must have good organizational skills and general understanding of pre-clinical laboratory procedures i.e. the ability to draw blood, take ECG recordings, administer medications, assess animal health. Minimum qualifications: Bachelor's degree, preferably in life sciences, at least 2 years experience in GLP toxicology. AALAS certification preferred.

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**San Antonio, TX 78230**  
**Fax: 210-949-8483**  
**Email: [jobs@ilexonc.com](mailto:jobs@ilexonc.com)**



## POSITIONS OPEN

### ASSISTANT PROFESSOR OR ASSOCIATE PROFESSOR OF BIOLOGY Molecular Biology/Bioinformatics

The Department of Biology, College of Staten Island of The City University of New York, seeks candidates for an anticipated tenure-track position in molecular biology/bioinformatics as an Assistant or Associate Professor to start September 2001. Required: Ph.D., strong computational background, demonstrated commitment to research, college teaching experience, and experience in curriculum development. Postdoctoral experience and grant activity preferred. Responsibilities include undergraduate and graduate teaching in bioinformatics programs, performing department and college service, and engagement in an active and productive research agenda. The successful candidate will present credentials appropriate for appointment to the Doctoral faculty of the CUNY graduate school. Appointment at the Associate Professor level will require external funding. Salary range: Assistant Professor, \$42,162 to \$57,049; Associate Professor, \$46,094 to \$68,174 commensurate with qualifications. Review of applications will begin on December 15, 2000, and continue until the position is filled. Send a letter of application including research plans and a statement of teaching philosophy; curriculum vitae; and the names, addresses, and telephone numbers of three references to: **Professor Jacqueline LeBlanc, Chair, Molecular Biology/Bioinformatics Search Committee, Department of Biology, College of Staten Island/CUNY, 2800 Victory Boulevard, Staten Island, NY 10314.** Equal Employment Opportunity/Affirmative Action/Americans With Disabilities Act Employer.

**ASSISTANT PROFESSORS:** The Department of Physiology invites applications from outstanding Scientists with Ph.D., M.D., or equivalent degrees for three tenure-track Assistant Professor positions. Of particular interest are candidates who will develop independent research programs in integrative biology using genetic engineering approaches to study physiological process in tissues and whole animals. Additional areas of interest include molecular and biophysical approaches to cell physiology involving the fields of motility and the cytoskeleton in addition to transport and ion channels. However, the excellence of the successful candidates is more important than the particular area of research. These positions are part of the continuing growth of the Department at one of the country's leading academic medical centers and will be supported by significant laboratory space, competitive salaries, and exceptional start-up packages. The University of Texas Southwestern faculty includes four Nobel Prize winners and 11 members of the National Academy of Sciences and supports more than 1,900 research projects annually totaling more than \$160 million. Applicants should submit curriculum vitae, a brief statement of research plans, and arrange to have three letters of reference sent to: **James T. Stull, Ph.D., Department of Physiology, The University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75390-9040.** An Affirmative Action/Equal Opportunity Employer.

Three tenure-track **ASSISTANT PROFESSOR** positions: microbiology, plant taxonomy, and molecular biology/toxicology for 21 August 2001. Ph.D. required; postdoctoral experience preferred. Teaching includes graduate and undergraduate courses. Scholarly research involving students expected. Detailed departmental information at [website: http://www.shsu.edu/~bio\\_www/](http://www.shsu.edu/~bio_www/). Send résumé, statement of teaching philosophy, research interests, three letters of reference, and official transcripts to: **Dr. J. C. Turner, Chair, Search Committee, Department of Biological Sciences, P.O. Box 2116, Sam Houston State University, Huntsville, TX 77341.** Review will begin 15 December 2000 and continue until the positions are filled. For additional information on these and other positions, access our [website: http://www.shsu.edu/~hrd\\_www/facultyemp.html](http://www.shsu.edu/~hrd_www/facultyemp.html). Sam Houston State University is an Equal Employment Opportunity/Affirmative Action Employer.

## POSITIONS OPEN

### FACULTY POSITION PHYSICAL GEOLOGY, SEDIMENTARY GEOLOGY, PALEONTOLOGY

Hobart and William Smith Colleges, private coordinate liberal arts colleges in the Finger Lakes region of upstate New York, seek a colleague to join the Department of Geoscience. This new colleague will be responsible for teaching introductory physical/environmental geology as well as courses in the field of sedimentary geology, historical geology, and/or paleontology depending on the candidate's expertise and the Department's needs. In addition to departmental teaching responsibilities, faculty are expected to teach in the institution's general curriculum. Departmental faculty members also assume leadership roles in the Colleges' Environmental Studies program. Faculty members in the Department are research active and strongly encourage undergraduate research. The teaching load is five course units (laboratories count 1/2 unit) over a two-semester academic year. The position is tenure track.

The Colleges are located at the north end of Seneca Lake, largest of New York's Finger Lakes. Research by faculty and students on Seneca Lake, Lake Ontario, and other Finger Lakes accessible via the New York State Barge Canal System is possible with the Colleges' well-equipped 65-foot research vessel, the *HWS Explorer*.

For further information, see our [website: www.hws.edu/acaDepartment/geo](http://www.hws.edu/acaDepartment/geo). Applicants are to send a letter of application and curriculum vitae and arrange for three letters of recommendation to be sent (e-mail applications will not be considered). Review of applications will begin on January 1, 2001. All correspondence should be sent to:

**William F. Ahrensbrak, Chair  
Geoscience Department  
Hobart and William Smith Colleges  
Geneva, NY 14456  
Telephone: 315-781-3603  
FAX: 315-781-3860  
E-mail: [ahrensbrak@hws.edu](mailto:ahrensbrak@hws.edu)**

*The Colleges actively seek to increase the diversity among their faculty and welcome applications from women, minorities, and other underrepresented groups. We do not discriminate on the grounds of race, color, religion, sex, marital status, national origin, age disability, veteran's status, or sexual orientation.*

### FACULTY POSITION DEPARTMENT OF MOLECULAR BIOPHYSICS AND BIOCHEMISTRY Yale University

The Department of Molecular Biophysics and Biochemistry seeks applicants for a position at the **ASSISTANT PROFESSOR** level in the area of molecular biophysics. Our Department, which is located in both the Faculty of Arts and Sciences and the School of Medicine of the University, spans a broad range of areas including biochemistry, biophysical chemistry, structural biology, molecular biology, and molecular genetics. Applications should include curriculum vitae, a statement of research interests, three letters of reference, and reprints or preprints. Completed applications should be sent to: **Search Chair, Faculty Search Committee, Department of Molecular Biophysics and Biochemistry, Yale University, 260 Whitney Avenue, P.O. Box 208114, New Haven, CT 06520-8114. Telephone: 203-432-5593.** Application deadline: November 15, 2000. Yale is an Affirmative Action/Equal Opportunity Employer.

**VICE PRESIDENT, RESEARCH DIRECTOR, and STAFF SCIENTIST** positions at two well-funded start-up companies (CertiChem, PlastiPure in Austin, Texas) whose missions are marketing *in vitro*, *in vivo*, and behavioral assays for hormonal activity and formulating biologically safe products. Qualifications (Ph.D. and experience in biologically related field or business) determine appointment level and stock options. Send curriculum vitae, copy of driver's license, and statement of career goals to [e-mail: certichem@austin.rr.com](mailto:e-mail:certichem@austin.rr.com); FAX: 512-372-8425.

## POSITIONS OPEN

The Department of Biology in the College of Arts and Sciences at American University is advertising two tenure-track **ASSISTANT PROFESSOR** positions beginning in fall 2001.

**Molecular Geneticist:** The Department seeks a broadly trained Geneticist whose research incorporates advanced techniques of molecular biology.

**Cell Biologist:** The Department seeks a broadly trained Cell Biologist to participate in the Department's Biology and Premedical programs.

Qualified candidates for both positions will have evidence of strong teaching skills, a Ph.D., and postdoctoral experience. Responsibilities include establishing and maintaining an active research program involving undergraduate and Master's-level graduate students; teaching undergraduate and graduate courses including introductory courses as well as upper-level courses in the candidate's area of expertise; advising students; and participating in Department, College, and University service activities.

Applicants should submit curriculum vitae and statements of teaching philosophy and arrange to have three letters sent directly from references to: **Dr. Daniel W. Fong, Genetics Search Committee Chair, Department of Biology/Dr. David Culver, Cell Biology Search Committee Chair, American University, 4400 Massachusetts Avenue, N.W., Washington, DC 20016-8007.** The Department's search committees will begin reviewing applications on December 15, 2000, and will continue until the positions are filled. Positions subject to budgetary approval. American University is an Equal Employment Opportunity/Affirmative Action Employer committed to a diverse faculty, staff, and student body. Women and minority candidates are strongly encouraged to apply.

### TENURE-TRACK ASSISTANT PROFESSOR BIOLOGY, EARLHAM COLLEGE

We seek an Animal Physiologist specializing in either vertebrates or invertebrates to bridge our departmental strengths between cellular/molecular biology and ecology/evolution. Courses include anatomy and physiology, a team-taught introduction to genetics, a nonmajors course such as human biology, and an upper-level specialty course. We would like a person eager to participate in student-faculty collaborative research in a liberal arts environment marked by close working relationships among students and faculty. The Earlham College Biology Department is the largest major on campus and is nationally ranked for producing students who continue to graduate degrees. Ph.D.s should send curriculum vitae, three letters of reference, and statements describing research interests and teaching philosophy to: **Leslie Bishop, Department of Biology, Earlham College, Richmond, IN 47374.** Teaching or postdoctoral experience is desirable. Review of applications will begin December 1, 2000. Please visit our [website: http://www.earlham.edu/~biol/](http://www.earlham.edu/~biol/). Earlham College is an Affirmative Action/Equal Opportunity Employer. We particularly encourage applications from women, racial minorities, and Quakers.

The Department of Chemistry and Biochemistry at The University of Texas at Austin solicits applications for **TENURE-TRACK ASSISTANT PROFESSORSHIPS** beginning September 1, 2001. Exceptional candidates whose research training and interests are in the area of organic/inorganic synthesis of electronic or bioactive materials or in the design and evolution of biopolymer and cellular architectures are especially encouraged to apply. A second **ASSISTANT PROFESSORSHIP** is available through the Institute for Cellular and Molecular Biology with preference for applicants studying protein and nucleic acid structure and function. Applications received after November 1, 2000, may not receive full consideration. Early applications are encouraged. Candidates who have demonstrated outstanding research ability and show promise in teaching should forward curriculum vitae, short descriptions of research plans, and three letters of reference to: **Search Committee, Department of Chemistry and Biochemistry, The University of Texas at Austin, Austin, TX 78712.** Equal Opportunity/Affirmative Action Employer.



## Immunologist/Cell Biologist

3M's Pharmaceuticals Division has an immediate opening for a research immunologist/cell biologist to evaluate signal transduction pathways required for cytokine and chemokine gene expression. The candidate will contribute both technical and scientific expertise to a multidisciplinary team aimed at drug discovery and development in the area of immune response modification. Key priorities of this position are to identify signaling pathways required for cytokine induction, particularly interferon alpha, and a willingness to establish appropriate assays for the identification of novel immune response modifying compounds.

The candidate must have broad expertise in cellular immunology and signal transduction. A deep understanding in signaling pathways involved in cytokine or chemokine gene expression is required. A strong background in cellular immunology, specifically cytokine biology, is a plus.


The successful candidate must have a Ph.D. degree in immunology, cell biology or a related discipline, at least three years post-doctoral research experience, and a proven track record of independent thinking. Excellent communication skills and an aptitude to work in a highly collaborative environment are essential. Industrial and supervisory experience is highly preferred.

3M provides an excellent benefits package with salary commensurate with experience. For confidential consideration please visit our web site at [www.3m.com/us/careers](http://www.3m.com/us/careers) and submit your resume on line or send two resumes (no phone calls or agencies) to:

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 **Washington**  
WASHINGTON UNIVERSITY IN ST. LOUIS  
School of Medicine

### TENURE TRACK ASSISTANT PROFESSOR Molecular regulation of aging

The Department of Molecular Biology and Pharmacology at Washington University School of Medicine is recruiting individuals at the level of Assistant Professor on the tenure track. We are seeking an outstanding scientist working in the area of aging. Special consideration will be given to research involving systems where genetic tools can be used to address fundamental questions dealing with the aging process. Faculty in the Department utilize a broad range of organisms including yeast, *C. elegans*, *Drosophila*, *Xenopus*, and mice to investigate developmental processes, including cell fate specification, pattern formation, and the regulation of cell proliferation, differentiation, migration, and death. (Visit our web site at <http://molecool.wustl.edu>)

Interested applicants should forward a curriculum vitae and a short summary of research plans to:

Search Committee (c/o Jeffrey I. Gordon, Head)  
Department of Molecular Biology and Pharmacology  
Washington University School of Medicine  
660 South Euclid Avenue, Box 8103  
St. Louis, Missouri 63110

Applicants should also arrange to have three letters of recommendation sent to the same address.

Washington University is an Affirmative Action/Equal Opportunity Employer committed to increasing the representation of women and minority groups on its faculty.

At **Monsanto Company**, a wholly owned subsidiary of *Pharmacia Corporation*, we share a common goal: to help people lead longer, healthier lives. We are pioneering the use of life-science technologies to understand the connection between human health, nutrition and agriculture and how it can be used to develop products to improve the quality of life for everyone, everywhere. The following positions are available within our Transformation and Trait Development Teams:

### Cell Biologist, Chloroplast Transformation • St. Louis, MO •

The successful candidate will be engaged in research aimed at development and implementation of corn plastid transformation technology. As a member of a team developing novel explant types and selection schemes, you will be responsible for initiation, maintenance and transformation of corn tissue cultures. Contribution to a variety of essential support tasks will also be expected as is an ability to work in a team-oriented environment. The selected candidate will demonstrate self-motivation and persistence, and have good written and spoken communication skills. Candidates must have at least an MS degree; and experience in monocot cell culture techniques.

### Cell Biologist, Cotton Transformation • Chesterfield, MO •

Provide production support in the field of plant tissue culture, developmental biology, and plant transformation for cotton transformation technology. Working knowledge in tissue culture, molecular biology, and gene expression are essential. BS/MS in Genetics, Cell Biology, or a related field and relevant experience in dicot transformation and *Agrobacterium* transformation required. Candidates must be highly motivated, must have strong communication and computer skills, and the ability to work well in a team-based research atmosphere.

### Corn Breeder/Agronomist, Trait Development • Chesterfield, MO •

Seeking a highly motivated individual to work in a multidisciplinary team environment to evaluate and develop agronomic traits in corn. Main responsibilities include, but are not limited to, support of molecular biology and breeding efforts with the design, execution, management and data collection of agronomic traits, particularly yield in transgenic corn. MS/Ph.D. in Plant Breeding/Agronomy with 5+ years experience in the industry. Working knowledge of the principles and techniques of plant breeding and yield testing and proficiency with word/spreadsheet, database management, statistical software and field plot techniques and analysis essential. Excellent statistics, communication and interpersonal abilities will be required to effectively function in the high-performance team-based organization. Moderate travel required.

**Monsanto** offers a compensation package commensurate with experience, excellent benefits and opportunities for professional growth.

Interested candidates for the **Cell Biologist positions**, should email resumes and contact information for three references to [june.j.huch@monsanto.com](mailto:june.j.huch@monsanto.com). Candidates may also send this information to **Monsanto, Attn: Crop Transformation Jobs, Mail Zone GG4H, 700 Chesterfield Parkway North, St. Louis, MO 63198**, or fax to (314) 737-6567. Please identify the job by job title and refer to this ad in the response.

Interested candidates for the **Corn Breeder position** may email resumes to [marcia.k.rhodus@monsanto.com](mailto:marcia.k.rhodus@monsanto.com). Candidates may also send resumes, current transcripts and contact information for three references to **Monsanto, Corn Breeder, Trait Development Advertisement #00-1890, Mail Zone GG6A, 700 Chesterfield Parkway North, St. Louis, MO 63017**, or fax to (636) 737-6950. Please identify the job by job title and refer to this ad in the response.

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## POSITIONS OPEN

### ECOLOGIST

The Department of Biology at Swarthmore College invites applications for a tenure-track appointment in ecology at the **ASSISTANT PROFESSOR** level to begin September 2001. We seek an Ecologist with strong field experience, preferably plant-related, who is committed to combining teaching and research at a small liberal arts college. Teaching responsibilities will include an intermediate-level course in general ecology, an advanced seminar in a major area within ecology, and participation in the Department's introductory biology sequence. The successful candidate will be expected to establish an active research program that will provide opportunities for undergraduate participation and to participate in the College's environmental studies programs. A Ph.D. is required; postdoctoral research experience and teaching experience are desirable.

Applicants should submit curriculum vitae, three letters of recommendation, and statements of teaching and research interests by November 10, 2000, to:

**Mark Jacobs, Chair**  
Department of Biology  
Swarthmore College  
Swarthmore, PA 19081-1390

Swarthmore College is a small, selective liberal arts college of approximately 1,400 undergraduates. The College supports faculty research by providing generous support for undergraduate summer stipends, a leave every fourth year, and travel allowances to attend national meetings. For more information about the Biology Department at Swarthmore, please visit our website: [www.swarthmore.edu/natsci/biology/](http://www.swarthmore.edu/natsci/biology/). Swarthmore College is an Equal Opportunity Educator and Employer and specifically invites and encourages applications from women and minorities.

### CHAIR, DEPARTMENT OF NEUROLOGY COLLEGE OF MEDICINE UNIVERSITY OF FLORIDA

The University of Florida College of Medicine seeks a distinguished individual to serve as **PROFESSOR** and **CHAIR OF THE DEPARTMENT OF NEUROLOGY**. Applicants should have an M.D. or M.D./Ph.D. degree and demonstrated accomplishments in clinical service, education, research, and administration. The Chair is responsible for leadership and management of the Department including faculty recruitment and development, undergraduate and graduate medical education, fiscal affairs, clinical programs, and research. The Chair will also assure an effective interface between the Department and the McKnight Brain Institute, a major universitywide initiative. The position offers a competitive salary. Applications and nominations along with current curriculum vitae should be sent to: **C. Craig Tisher, M.D., Senior Associate Dean and Chair, Neurology Search Committee, P.O. Box 100215, University of Florida, Gainesville, FL 32610-0215** before November 30, 2000. The anticipated start date of the position is on or after July 1, 2001. *The University of Florida is an Equal Opportunity Employer, and minorities and women are encouraged to apply.*

### FACULTY POSITION IN MICROBIOLOGY

Western University of Health Sciences invites applications for a tenure-track position in microbiology at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level beginning fall 2001. A Ph.D. is required. The candidate is expected to teach medical microbiology to first- and second-year osteopathic medical students. Major emphasis is on teaching and service to the University, but research is encouraged.

Applicants should submit curriculum vitae, transcripts, three letters of recommendation, and a statement of teaching philosophy and career objectives no later than December 1, 2000, to: **Dr. Jeffrey Felton, Western University of Health Sciences, College of Osteopathic Medicine of the Pacific, 309 East Second Street, Pomona, CA 91766**. *Western University of Health Sciences is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

### VERTEBRATE ECOLOGIST WILLAMETTE UNIVERSITY

The Biology Department seeks to fill a **FULL-TIME TENURE-TRACK POSITION** in vertebrate ecology and evolution beginning fall 2001. The successful applicant will have breadth for teaching biodiversity, ecology, and evolution and for sharing in senior research and/or courses in environmental studies and general education. Other possibilities include field zoology or vertebrate ecology and a research-based course in the candidate's area of expertise. The Department promotes a collaborative teaching and research environment, has endowed programs for student-faculty research, and supports summer courses in Hawaii and Ecuador. An active program of research and scholarship that engages students is expected.

Willamette University, Salem, Oregon, is a liberal arts community that values excellence in teaching and scholarship and strong interdisciplinary. Salem is the state capitol and is a short distance from the coast, the mountains, and metropolitan areas of Portland, Corvallis, and Eugene. Biology is housed in a spacious new Olin science complex equipped with modern facilities for conducting effective programs in ecology and evolutionary biology at the molecular and organismal levels. The building includes a greenhouse, scanning electron microscope, botanical garden, and animal care areas. Many field sites are accessible nearby.

Minimum position requirements include a Ph.D. in biology or a closely related field. Prior teaching and research experience is highly desirable. To apply, please submit a cover letter; curriculum vitae; statement of teaching and research interests; and the names, telephone numbers, and addresses of three references. Application review begins October 20, 2000, and will continue until a qualified candidate is hired.

Please direct correspondence to: **Dr. Susan Kephart, Chairperson, Department of Biology, Willamette University, Salem, OR 97301**. Telephone: 503-370-6481; e-mail: [skephart@willamette.edu](mailto:skephart@willamette.edu). Please see the University website: <http://www.willamette.edu>. *Willamette University is an Equal Opportunity Employer. Women and minorities are encouraged to apply.*

### ASSISTANT PROFESSOR, IN-LINE SERIES COLLEGE OF MEDICINE Department of Psychiatry and Human Behavior University of California, Irvine

The University of California, Irvine, College of Medicine is recruiting an **ASSISTANT/ASSOCIATE PROFESSOR** for a state-funded full-time equivalency position. Requirements include eligibility for licensure in the State of California, certification by the American Board of Psychiatry and Neurology, Fellowship training in neuropsychiatry, and a history of success in securing federal research funding. Interest and experience in research on neuropsychiatric diseases based on environmental interactions is desirable. Candidates should supply curriculum vitae to: **William Bunney, Jr., M.D., Distinguished Professor and Co-Chair, c/o Cheri Tomcheck, University of California, Irvine, College of Medicine, Department of Psychiatry, Irvine, CA 92697-1675**. *The University of California is an Equal Opportunity Employer committed to excellence through diversity.*

**ASSISTANT OR ASSOCIATE PROFESSOR**, College of Medicine, Penn State: Tenure-track position available in the Department of Pathology. Candidates should have a Ph.D. and/or M.D. degree with expertise in cancer research at the molecular level. Laboratory space and a generous start-up package are available. Applicants should submit their curriculum vitae, a description of research plans, and two letters of reference to: **Search Committee, c/o Gary A. Clawson, Ph.D., M.D., Director, Gittlen Cancer Research Institute, Position Number S-8924, H059, Hershey Medical Center, The Pennsylvania State University, 500 University Drive, Hershey, PA 17033**. Résumés accepted until position is filled. *Affirmative Action/Equal Opportunity Employer.*

## POSITIONS OPEN

### TENURE-TRACK FACULTY POSITIONS

Applications are invited for tenure-track faculty positions in the Department of Physiology and Biophysics at the University of Mississippi Medical Center. Academic rank is dependent on experience and qualifications. Applicants should have a Ph.D. and/or M.D. degree with appropriate postdoctoral research experience and a good record of publications. Special consideration will be given to candidates with strong backgrounds in genomics and molecular and/or cellular physiology and research interests that complement existing areas of excellence in cardiovascular, renal, and neuroendocrine physiology or the pathophysiology of kidney disease, hypertension, obesity, and vascular disease. The successful candidate is expected to develop a nationally recognized research laboratory supported by extramural funding and to contribute to the teaching and service missions of the Department. The large group of multidisciplinary cardiovascular scientists in the Department and in the Center for Excellence in Cardiovascular-Renal Research (CECR) offers excellent opportunities for collaboration. For more information, the Physiology Department and the CECR websites can be accessed at: <http://phys-main.umsmed.edu> and <http://cecr.umsmed.edu>. Applicants should send curriculum vitae, a statement of previous and current extramural research funding, and the names of at least three references to: **Dr. John E. Hall, Department of Physiology and Biophysics, University of Mississippi Medical Center, 2500 North State Street, Jackson, MS 39216-4505**. *Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.*

### FACULTY POSITION EVOLUTIONARY GENETICIST

The College of William and Mary invites applicants for a tenure-track position at the **ASSISTANT PROFESSOR** level in evolutionary genetics. We are particularly interested in candidates who focus on population genetics and are able to interact professionally with faculty pursuing research in a broad range of molecular and organismal biology. The successful candidate will be expected to maintain an extramurally funded research program that will incorporate both Master's-level and intensive undergraduate student involvement. Primary teaching responsibilities include evolutionary genetics and participation in a genetic analysis course with a laboratory component or related courses as occasion demands. The successful candidate must demonstrate excellent communication skills as well as the motivation and potential to achieve excellence in teaching at undergraduate and graduate levels. Previous teaching experience would be advantageous, and postdoctoral experience is expected. Review begins on January 2, 2001, and will continue until an appointment is made. Submit a letter of application, curriculum vitae, statements of research plans, teaching philosophy and interests, and the names and contact information of three references to: **Evolutionary Genetics Search Committee, Department of Biology, Millington Hall, The College of William and Mary, Williamsburg, VA 23187-8795**. Website: <http://www.wm.edu>. *The College is an Equal Employment Opportunity/Affirmative Action Employer.*

### ASSISTANT/ASSOCIATE PROFESSOR

Rheumatologist/molecular immunologist sought by the University of Iowa for a tenure-track faculty position. Candidates who are Board-certified or Board-eligible in rheumatology may be considered. Research program may focus on molecular aspects of natural or adaptive immunity. Applicants should send curriculum vitae to: **Dr. Robert Ashman, Department of Medicine/Rheumatology, The University of Iowa, C31-P GH, Iowa City, IA 52242-1081**. Call Dr. Ashman at Telephone: 319-356-2287; FAX: 319-353-6290; e-mail: [robert-ashman@uiowa.edu](mailto:robert-ashman@uiowa.edu). *The University of Iowa is an Equal Opportunity/Affirmative Action Employer. Women and minorities are strongly encouraged to apply.*

## POSTDOCTORAL POSITIONS

### Center of Biomedical Research Excellence in Angiogenesis Center for Molecular Medicine, Maine Medical Center Research Institute

The Center for Molecular Medicine invites applications from highly motivated individuals to fill available Postdoctoral positions. The Center for Molecular Medicine is comprised of an interdisciplinary group of scientists focused on investigating signaling mechanisms in angiogenesis. The center is housed in a new state-of-the-art research building and is supported by excellent core facilities in cell and molecular biology. These positions are funded through a Center of Biomedical Research Excellence in Angiogenesis award from the National Institutes of Health. Individuals with backgrounds in cell and molecular biology, biochemistry and medical sciences are encouraged to apply. We are particularly interested in postgraduate students who do not have prior background in vascular biology but wish to pursue this area as a future field of endeavor. Current approaches include the use of modern cell and molecular methods including gene targeting and transgenics, and analysis of angiogenic processes in vivo and in vitro. Research opportunities include:

Cooperativity between FGF1 and Jagged1 in signaling in angiogenesis.  
**Dr. Thomas Maciag**, maciat@mail.mmc.org

Role of Jagged1 in ischemic tissue damage.  
**Dr. Lucy Liaw**, liawl@mail.mmc.org

Regulation of tyrosine kinase signaling in angiogenesis.  
**Dr. Robert Friesel**, friesr@mail.mmc.org

Covalent FGF2 complexes in angiogenesis.  
**Dr. Volkhard Lindner**, lindnv@mail.mmc.org

Endoglin function in angiogenesis.  
**Dr. Calvin Vary**, varyc@mail.mmc.org

Transcriptional decisions in endothelial cell differentiation.  
**Dr. Douglas Spicer**, spiced@mail.mmc.org

Positions require a Ph.D. and/or M.D. Salaries are competitive and include an excellent benefits package. The Portland, Maine area offers an environment rich in cultural and recreational opportunities. For more information visit our website at: <http://zappa.mmc.mmc.org>. Interested candidates should send a curriculum vitae and the names, addresses and telephone numbers of three references to the faculty email address or mail to: **Center for Molecular Medicine, Maine Medical Center Research Institute, 125 John Roberts Rd., Suite #12, South Portland, ME 04106.**



**Maine Medical Center**

*Maine Medical Center is part of the MaineHealth Family.  
We are an equal opportunity employer strengthened  
by the diversity of our professional community.*

## New York University

### FACULTY POSITIONS DEPARTMENT OF BIOLOGY

New York University is initiating a major expansion of its efforts in genomics research. Two new tenure-track assistant professorships are currently available (subject to final budgetary and administrative approval) in the Department of Biology and its recently established Center for Comparative Functional Genomics. Emphasis will be placed on individuals with interests in prokaryotic genomics and related areas, although outstanding candidates in other fields will also be considered. Candidates will be expected to develop active, externally funded research programs and to participate in the department's teaching activities at both the undergraduate and graduate levels. The department offers an outstanding and vigorous research environment with a strong molecular and genetic focus. Active collaborations with other programs within the university, including bioinformatics and computational biology, and other local and regional research institutions offer significant opportunities for scientific interaction and joint research. Application letter with curriculum vitae and three letters of reference should be sent to: **Chairman of the Search Committee, Department of Biology, New York University, 1009 Main Building, 100 Washington Square East, New York, NY 10002.**

*NYU is an Equal Opportunity/Affirmative Action Employer.*



### Mayo Clinic Postdoctoral Position

A position is available for a postdoctoral fellow interested in developing mouse models for human cancer. The laboratory is interested in the role of the nucleocytoplasmic transport and mitotic checkpoint machineries in the development of cancer, particularly breast and colorectal cancer. Individuals with Ph.D. in biological or biomedical sciences and a strong interest in gene targeting and ES cell technology are encouraged to apply. Salary will be determined by the successful candidate's experience. There is also an attractive benefits package. Mayo Clinic is a non-profit, physician led clinical practice integrated with education and research in a unified multi-campus system. Applications, including a curriculum vitae, a summary of past accomplishments and the names of three referees, should be sent to:

**Jan van Deursen, Ph.D.**  
**Mayo Clinic**  
**Pediatric and Adolescent Medicine**  
**Guggenheim 10**  
**200 First St. SW**  
**Rochester, MN 55905**  
**e-mail: [vandeursen.jan@mayo.edu](mailto:vandeursen.jan@mayo.edu)**

*Mayo Foundation is an affirmative action  
and equal opportunity employer and  
educator.*



### FACULTY POSITION DEPARTMENT OF BIOENGINEERING UNIVERSITY OF CALIFORNIA, SAN DIEGO

The Department of Bioengineering of the University of California, San Diego invites applications for TENURED or TENURE-TRACK FACULTY POSITIONS from individuals with expertise in Bioengineering. The successful applicant will be expected to establish a vigorous program of high-quality research that complements existing research activities in the Department in biomechanics, tissue engineering, molecular and cellular engineering, biotransport, bioinformatics applied to medical problems, or related areas. The successful candidate will be responsible for teaching bioengineering courses at the undergraduate and graduate levels. The Department enjoys a close collaboration with the School of Medicine, and qualified individuals may receive joint appointments. Salary is commensurate with qualifications based upon UC pay schedules. Please send a complete biography, samples of publications, and the names of five references to: **David A. Gough, Ph.D., Chair, Department of Bioengineering, University of California, San Diego, La Jolla, CA 92093-0412.** Consideration of applicants will begin on December 15, 2000 and continue until the position is filled. The University of California, San Diego is an Affirmative Action/Equal Opportunity Employer.

## POSITIONS OPEN

**ASSISTANT PROFESSOR OF BIOLOGY:** Penn State Erie, The Behrend College, invites applications for a tenure-track position to begin August 2001. Applicants must have a strong commitment to undergraduate teaching. We seek a broadly trained Microbiologist with a Ph.D. who will teach introductory microbiology and upper-division courses in his/her area of expertise. The successful candidate may occasionally teach core biology courses and will be expected to develop an externally funded research program involving undergraduates.

Penn State Erie ([website: www.pserie.psu.edu](http://www.pserie.psu.edu)) is a four-year and graduate College of Penn State growing both in enrollments and student quality. The College is committed to excellence in teaching, research, and outreach and emphasizes balance between teaching and research. The School of Science offers strong four-year majors in biology, chemistry, mathematics, and physics. Newly renovated biology teaching and research laboratories provide faculty with excellent facilities and enhanced opportunities for undergraduate research.

Erie, a metropolitan area of 280,000, is a major industrial, service, and tourism center located on Lake Erie's beautiful Presque Isle Bay, two hours from Cleveland, Pittsburgh, and Buffalo. The region offers a wide variety of cultural, sports, and recreational resources. Residents enjoy a modest cost of living and affordable housing.

Send curriculum vitae, copies of graduate and undergraduate transcripts, teaching statement, and research statement explaining the suitability of your research program to an undergraduate institution of 3,800 students; also arrange that three letters of reference be sent to: **Dr. Roger Knacke, School of Science, Department of BIOL-G, Penn State Erie, Station Road, Erie, PA 16563-0203.** Application deadline is December 4, 2000, or until the position is filled. *Affirmative Action/Equal Opportunity Employer.*

### ASSISTANT PROFESSOR MOLECULAR CELL BIOLOGY

The Department of Biological Sciences at Ohio University invites applications for a full-time, tenure-track position in molecular cell biology at the Assistant Professor level beginning fall 2001.

We seek candidates using molecular techniques to address fundamental questions in cell biology. A Doctorate in cell biology or a related area, postdoctoral research experience, and evidence of scholarly research activity are required. We are a broadly based Department seeking to strengthen the areas of cellular and molecular biology (see [website: www.biosci.ohiou.edu](http://www.biosci.ohiou.edu) for more information). The successful candidate will be expected to develop an independent, fundable research program. He or she will also teach undergraduate cell biology, participate in graduate courses in the area of his or her specialty, and develop an upper-level laboratory course in cellular and molecular biology in the future. Excellent research resources are available including a transgenic mouse facility. Salary and start-up funds are competitive; benefits package is excellent. Please submit a letter of application; curriculum vitae; summary of research program and teaching interests; and the names, postal addresses, e-mail addresses, and telephone numbers of three references to: **Anthony Brown, Chair of the MCB Search Committee, Department of Biological Sciences, Ohio University, Irvine Hall, Athens, OH 45701-2979.** Review of applications will begin on December 4, 2000. *Ohio University is an Affirmative Action/Equal Opportunity Employer.*

Neurobiology/human physiology/molecular cell biology. Two **ASSISTANT PROFESSORS.** Tenure-track; Department of Biomedical Sciences, Southwest Missouri State University. Start date: August 2001. For full information, see [website: http://www.smsu.edu/contrib/bms/biomed.html](http://www.smsu.edu/contrib/bms/biomed.html). *Affirmative Action/Equal Opportunity Employer.*

## POSITIONS OPEN

### THREE FACULTY POSITIONS

The University of Central Arkansas has tenure-track positions available at the **ASSISTANT PROFESSOR** level for an Ecologist, a Microbiologist, and a Neurobiologist. A Ph.D. is required and development of an active research program is expected for all three positions.

Teaching responsibilities for the Ecologist will include general ecology, biometry, contribution to the lower-division curriculum, and an upper-division elective or graduate course in the candidate's area of specialty. Preference will be given to candidates who are community Ecologists and who have strong quantitative backgrounds.

The primary teaching responsibilities for the Microbiologist will be in microbiology. Additional responsibilities may include an upper-division elective or graduate course and contribution to the lower-division curriculum. Preference will be given to Microbiologists with interests in immunology or virology.

Teaching responsibilities for the Neurobiologist will include introduction to neuroscience for health sciences majors, contribution to the lower-division curriculum, and an upper-division elective or graduate course in the candidate's area of specialty. Preference will be given to Neurobiologists with interests in molecular, cellular, or developmental areas.

The Department of Biology contains 22 full-time faculty, all with Doctorates. We serve about 400 majors and 20 graduate students. About 1,500 students per year take our Biology for General Education course, and we offer several service courses for health science students. The Department occupies about 50,000 square feet within Lewis Science Center, and most rooms have optical fiber access to campus resources and the Internet. We maintain an extensive equipment inventory, and multiple computer stations are employed in several laboratory courses. Conway is a prosperous city of 45,000 that hosts two other colleges and is an easy drive from both Little Rock and pristine wild areas such as the Buffalo National River and Ozark Mountains. For further information, visit [website: http://www.uca.edu/divisions/academic/biology/](http://www.uca.edu/divisions/academic/biology/).

To apply, submit curriculum vitae, statements of teaching philosophy and research plans, and the names of three references to: **Dr. Paul Hamilton, Department of Biology, University of Central Arkansas, Conway, AR 72035.** Application review will begin December 6, 2000, and continue until the positions are filled. As an alternative to tenure track, a candidate may elect a three-year renewable appointment at the national average salary for this rank in biology. *University of Central Arkansas is an Equal Opportunity/Affirmative Action Employer. Minorities and women are especially encouraged to apply.*

### TENURE-TRACK ASSISTANT PROFESSOR OF BIOLOGY MOLECULAR BIOLOGY

Minnesota State University Moorhead (MSUM) Biology Department invites applications for an Assistant Professor, tenure track, to begin August 23, 2001. Qualifications: Ph.D. with broad training in molecular biology and potential for excellence in undergraduate teaching. Teaching responsibilities: courses in molecular biology, biotechniques, liberal studies, and laboratory sections. Additional responsibilities: participation in the Biotechnology Program and research involving undergraduates. Visit [website: http://www.mnstate.edu/biology/search.htm](http://www.mnstate.edu/biology/search.htm) for Vacancy Notice, Standard Application Form, and information on the planned biology/chemistry laboratory addition. Send curriculum vitae, graduate and undergraduate transcripts, statements of teaching philosophy and research interests, three current letters of reference, and Standard Application Form to: **Dr. Mary Shimabukuro, Biology Department, MSUM, Moorhead, MN 56563. E-mail: biolsrch@mnstate.edu; FAX: 218-236-2018; Telephone: 218-287-5000.** Screening begins January 11, 2001. *Affirmative Action/Equal Opportunity Employment Employer.*

## POSITIONS OPEN

### TWO FACULTY POSITIONS ASSISTANT PROFESSOR/ ASSOCIATE PROFESSOR

The Department of Biomedical Sciences in the College of Veterinary Medicine at Iowa State University is seeking two tenure-track Assistant/Associate Professor faculty positions to conduct research and teach courses offered by the Department of Biomedical Sciences to undergraduate, graduate, and D.V.M. students. Department of Biomedical Sciences attracts substantial NIH funding and has focused its main research interests in the neurosciences. The Department is looking for energetic Ph.D. or Ph.D./D.V.M. candidates to join the expanding BMS faculty. Pharmacology- and physiology-trained applicants who have experimental skills in one or more of the following areas of biomedical sciences are encouraged to apply: molecular biology, cell biology, electrophysiology, behavioral studies, or bioinformatics. However, exceptional candidates in any area of physiology or pharmacology will be considered. Salary is negotiable depending on the experience, training, and accomplishments of the candidate. A Ph.D. or Ph.D./D.V.M. (or equivalent) degree with the potential to conduct research is required. Teaching experience, good publication record, and ability to secure extramural funding are preferred.

Applications will be processed as received; review of candidates will begin January 15, 2001. E-mail applications cannot be accepted. Send: (1) signed letter of application, (2) curriculum vitae, (3) statement of career goals, and (4) three letters of reference to:

**Dr. Richard J. Martin  
Professor and Chair  
Department of Biomedical Sciences  
College of Veterinary Medicine  
Iowa State University  
Ames, IA 50011-1250  
Telephone: 515-294-2470  
E-mail: [rjmartin@iastate.edu](mailto:rjmartin@iastate.edu)**

*Iowa State University is an Affirmative Action/Equal Opportunity Employer.*

The University of Victoria invites applications for a **TENURE-TRACK ASSISTANT PROFESSOR-SHIP** in marine biology/biological oceanography. Candidates are sought to complement and contribute to research and teaching programs as a joint appointee in the Department of Biology ([website: web.uvic.ca/biology](http://web.uvic.ca/biology)) and the School of Earth and Ocean Sciences ([website: web.uvic.ca/seos](http://web.uvic.ca/seos)). Applicants are sought with demonstrated interests in any area of organismal/water column biology or marine microbial ecology and those with interests that link to the physicochemical conditions of the ocean are encouraged. Victoria's location gives access to a wide variety of marine habitats from fjord to inland strait to the north Pacific. Local research infrastructure includes a marine aquatic facility, biogeochemical facility, Bamfield Marine Station, the Institute of Ocean Sciences, research vessels, and a submersible. The successful candidate will have a Ph.D. in a related science, an interdisciplinary orientation, excellent potential in research, and an interest in teaching.

Competition closes December 15, 2000. Applicants should send complete curriculum vitae, a statement of research and teaching interests, and contact information for three references to:

**Dr. Ben F. Koop, Chair  
Department of Biology  
University of Victoria  
P.O. Box 3020, STN CSC  
Victoria, BC V8W 3N5 Canada  
E-mail: [biochair@uvic.ca](mailto:biochair@uvic.ca)**

*In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents. However, if suitable Canadian applicants cannot be found, other individuals will be considered. The University of Victoria is an Equity Employer and encourages applications from women, aboriginal peoples, visible minorities, and persons with disabilities. The University has excellent policies which support faculty with family obligations, including paid maternity/parental leave and a generous pension plan.*

The Hospital for Sick Children is a world renowned leader in health care, research and teaching. We are an integral part of an exciting research community which encompasses the University of Toronto and affiliated hospital research institutes which are home to an established group of experimental and theoretical structural biologists working with X-ray crystallography, NMR spectroscopy and Computational Chemistry.

## STAFF SCIENTIST - BIOLOGICAL MACROMOLECULAR MASS SPECTROMETRY

The Hospital for Sick Children  
555 University Avenue  
Toronto, Ontario  
M5G 1X8

Facsimile  
(416) 813-5671  
Email  
bsarkar@sickkids.on.ca

[www.sickkids.on.ca](http://www.sickkids.on.ca)

The Program in Structural Biology and Biochemistry at the Research Institute, Hospital for Sick Children (HSC), invites applications for a Staff Scientist position in the field of Biological Macromolecular Mass Spectrometry. We're seeking a committed professional who will build on our current strength in research performed on the structure and function of biological macromolecules.

The successful applicant would be expected to develop an outstanding independent research program and to compete effectively for external funding, as well as to obtain an appointment in a suitable department at the University of Toronto. Requirements include a Ph.D. degree or equivalent and at least three years of postdoctoral experience in the field of elucidation of protein structure by mass spectrometry including proteomics, protein conformation, protein interactions, post-translational modifications etc., addressing questions of biological significance. Applications from both junior and senior persons will be considered. The appointment can begin as early as June 2001.

We offer an environment that is both professionally challenging and personally rewarding. Please forward your curriculum vitae outlining your current and long-term research objectives along with three letters of reference, no later than December 15, 2000 to: Dr. B. Sarkar, Chair, Search Committee in Biological Macromolecular Mass Spectrometry, Structural Biology and Biochemistry, Hospital for Sick Children, 555 University Avenue, Toronto, Ontario, M5G 1X8, Canada <http://riweb.sickkids.on.ca> The Hospital for Sick Children encourages applications from qualified women and men, members of visible minorities, aboriginal peoples and persons with disabilities. In accordance with Canadian immigration requirements, this advertisement is directed firstly to Canadian Citizens and permanent residents.

A health care, teaching, and  
research centre dedicated exclusively  
to children; affiliated with the  
University of Toronto.



THE HOSPITAL  
FOR SICK CHILDREN



University of Toronto

## nature medicine

seeks an **Assistant Editor** to join its full-time editorial group in New York City.

The position offers an exciting and challenging opportunity to enter the world of scientific publishing while remaining at the forefront of research. Members of the editorial team oversee the selection and preparation of research articles published in *Nature Medicine*; they also commission Commentaries and Reviews and write news items and editorials for the journal. They attend meetings and conferences, visit laboratories and maintain alliances with the international scientific community.

We are seeking a qualified biomedical researcher with a PhD and a broad-based interest and expertise in the areas covered in *Nature Medicine*. The ideal candidate should have postdoctoral research experience and publications in peer-reviewed journals, excellent written and oral communication skills, good standing in the community and a commitment to the communication of science.

Please submit a curriculum vitae, a concise cover letter explaining your interest in the post and a 500-word *News & Views* style article on an exciting and newsworthy recent development in any area of biomedical research, to: The Editor, *Nature Medicine*, 345 Park Avenue South, 10<sup>th</sup> Floor, New York, NY 10010-1707 (Fax: 212-683-5751; email: [medicine@natureny.com](mailto:medicine@natureny.com))

**The deadline for application is 31 October 2000.**

## UNIVERSITY OF MASSACHUSETTS CANCER CENTER DIRECTOR

The University of Massachusetts Medical School is searching for a Director for the U Mass Cancer Center. We seek a research scientist with a commitment to expanding our knowledge of the origin, growth, prevention, and control of neoplastic disease. This person will be responsible for recruiting additional outstanding investigators to work in the field of cancer research.

Currently the U Mass Cancer Center is a multidisciplinary group of scientists pursuing research interests in cancer biology. We are committed to a major expansion of this center joining research programs in genetics, neurosciences, chemical biology, immunology and infectious diseases in a new state of the art 365,000 sq ft research building (to be opened in August, 2001).

The director should be interested in pursuing his/her own research program, recruiting and directing a group of outstanding investigators in the field of cancer research (in an entire floor – 33,000 square feet in the new building) and serving as a leader for all cancer-related research activities on the campus.

An attractive start-up package and support through an endowed chair is available to the new director. The ideal candidate is one who can best make use of our collaborative and collegial environment to facilitate interactions with other scientists working on problems of cell biology, genetics, pathology, physiology, microbiology, biochemistry and molecular pharmacology, as well as with clinicians focused on translational research, to provide new treatments for cancer. Established scientists with either Ph.D. or M.D. degrees are encouraged to apply for this leadership role.

The University of Massachusetts is an equal opportunity, affirmative action employer and applications from individuals of all minority groups are actively encouraged.

Applicants are requested to send a curriculum vitae, bibliography, names of references, and statement of research interests to:

**Robert Finberg, Interim Director U Mass Cancer Center and Chair,  
Department of Medicine, University of Massachusetts Medical School,  
55 Lake Ave North, Worcester, MA 01655**



## POSITIONS OPEN

The Department of Biological and Physical Sciences at Kennesaw State University, a comprehensive university in the University System of Georgia, invites applications for two positions at the rank of **ASSISTANT PROFESSOR**. Applicants are sought with broad training in animal physiology to contribute to a growing undergraduate program in biology. Applicants should have demonstrated excellence in teaching at the college level and must also have an interest in developing a collaborative research program with other faculty in the Department. A second position is available to an applicant with expertise in human molecular diagnostics and cytogenetics. This person will work closely with the current Director of a highly successful, nationally certified cytogenetic technology program to expand that program to include molecular diagnostics. An ability to contribute to a possible forensic science program is also desirable. Successful applicants will have an earned Doctorate in an appropriate specialty area. KSU places a strong emphasis on scholarship activities involving undergraduates. Therefore, applicants should have postdoctoral research experience and a strong potential for developing an externally funded research program. Application materials should include a letter indicating which position is being sought and describing the applicant's qualifications for the position; teaching philosophy and research interests; current curriculum vitae; graduate transcripts; and the names, addresses, telephone numbers, and e-mail addresses of three references. Applications will be accepted until the position is filled. To guarantee consideration, applications must be received by November 10, 2000. Send applications to: **Dr. Lynelle Golden (Animal Physiology position)** or **Dr. Kathleen Fleiszar (Human Molecular Diagnostics position)**, Department of Biological and Physical Sciences, Kennesaw State University, 1000 Chastain Road, Kennesaw, GA 30144-5591. KSU is an Affirmative Action/Equal Opportunity Employer.

Two **FACULTY POSITIONS** in bacteriology. The Department of Microbiology and Immunology invites applications for two tenure-track faculty positions for which rank and salary are negotiable. Both positions are for Scientists with a Ph.D., M.D., or M.D./Ph.D. and at least two years of postdoctoral research in prokaryotic molecular biology/pathogenesis. One position, supported by the Feist-Weiller Cancer Center and with a joint appointment in the Cancer Center, is for a person whose research is directly cancer-related, e.g., *Helicobacter*-associated lymphomas. Both positions involve teaching graduate and medical students and directing a nationally competitive research program. Applicants should send complete curriculum vitae, brief statement of research goals and funding, and four letters of reference to: **Dr. Dennis J. O'Callaghan, Professor and Head, Department of Microbiology and Immunology, Louisiana State University Health Sciences Center, 1501 Kings Highway, Shreveport, LA 71103.** Louisiana State University Health Sciences Center is an Affirmative Action Employer.

### PLANT MOLECULAR BIOLOGIST IOWA STATE UNIVERSITY

We seek a tenure-track **ASSISTANT PROFESSOR** with research interests in signal transduction including developmental, environmental, or metabolic regulation. The successful candidate is expected to develop an independent, competitively funded research program, to participate actively in our expanding initiatives in plant biology ([website: http://www.iastate.edu/~botany/](http://www.iastate.edu/~botany/)), and to contribute to undergraduate and graduate teaching. Applicants should submit curriculum vitae, statements of research and teaching interests and selected reprints, and have three letters of recommendation sent to: **Dr. Martin Spalding, Department of Botany, 353 Bessey Hall, Iowa State University, Ames, IA 50011-1020** by November 6, 2000, for full consideration. Iowa State University is an Equal Opportunity/Affirmative Action Employer.

## POSITIONS OPEN

### FACULTY POSITION IN CELL/ DEVELOPMENTAL BIOLOGY

New College of the University of South Florida invites applications for a tenure-track position in cell and/or developmental biology at the **ASSISTANT PROFESSOR** level for August 2001. We seek a broadly trained Biologist committed to excellence in teaching and research at a highly selective undergraduate college. New College, situated on the Gulf Coast of Florida and Sarasota Bay, is a nationally recognized public liberal arts honors college with an 11:1 student/faculty ratio. Our students are actively engaged in their education. A senior thesis is required, and undergraduate research is a vital component of our curriculum. Start-up funds will be provided, and dedicated research space is available in our new Natural Sciences Complex and our new Marine Biology Research Center. Primary teaching responsibility is in cell biology and laboratory with additional contributions at the introductory and advanced levels. In addition to teaching two classes per semester as well as supervising tutorials and independent study projects, the successful candidate is expected to establish and maintain a program of research appropriate to a quality liberal arts and sciences college. Preference will be given to individuals with postdoctoral and teaching experience whose research applies molecular approaches to integrative problems at the organismal and/or population levels. A Ph.D. is required. Send curriculum vitae, three letters of reference, a statement of teaching philosophy and interests, undergraduate and graduate transcripts, and a description of proposed research (including how undergraduates will be involved) by December 1, 2000, to: **Dr. Sandra Gilchrist, Division of Natural Sciences, New College of University of South Florida, Sarasota, FL 34243-2197.** For additional information, see [website: www.newcollege.usf.edu](http://www.newcollege.usf.edu) (no electronic applications, please). University of South Florida is an Equal Opportunity Employer/Affirmative Action/Americans With Disabilities Act Institution; women and minority candidates are encouraged to apply.

### FACULTY POSITIONS DEPARTMENT OF CELL BIOLOGY Yale University School of Medicine

Applications are invited from outstanding candidates for newly created faculty positions in the Department of Cell Biology at Yale Medical School. Although preference will be given to applicants for **ASSISTANT PROFESSOR**, candidates at all ranks will be considered. The Department faculty is undergoing a significant expansion as part of a schoolwide initiative; our new faculty will therefore be recruited as part of an interdepartmental consortium aimed at further enhancing Yale's traditional commitment to cell biology. Traditionally strong in the area of membrane traffic, we seek excellent and creative faculty with interests in developing mechanistic, structural, biophysical, microscopic, or molecular approaches in any area of basic cell biology. This includes interfacing with other areas such as development, immunology, neurobiology, and human disease. Successful candidates will have access to exceptional infrastructural support covering a wide variety of research programs and scientific interests. The candidate must hold an M.D. and/or Ph.D. degree(s). Curriculum vitae together with a brief statement of current and future research should be submitted by November 15, 2000. The application should include the names of three individuals who have agreed to send recommendation letters independently. Applications should be sent to:

**Graham Warren, Chair, Cell Biology  
Search Committee  
Yale University School of Medicine  
Department of Cell Biology  
333 Cedar Street  
P. O. Box 208002  
New Haven, CT 06520-8002**

Yale University is an Equal Opportunity/Affirmative Action Employer.

## POSITIONS OPEN

### ECOSYSTEM ECOLOGIST

The Department of Environmental and Plant Biology at Ohio University invites applicants at the **ASSISTANT PROFESSOR** level for a full-time, tenure-track appointment beginning in September 2001. The Department seeks an individual who will develop an externally funded research program in ecosystem ecology. Applicants with experience and interest in temperate forest ecosystems, restoration ecology, and/or applied ecology are preferred. The ideal candidate should have a primarily experimental focus with considerable quantitative and moderate modeling experience. Primary teaching responsibilities will include introductory courses in plant biology and the development of one or more upper-level courses in their area of specialty. The successful candidate should be committed to teaching undergraduates and developing a research program that involves M.S. and Ph.D. students. Submit curriculum vitae, statements of teaching philosophy and research interests, reprints of up to five publications, and three letters of recommendation to: **Search Committee, Department of Environmental and Plant Biology, 317 Porter Hall, Ohio University, Athens, OH 45701-2979.** Closing date is December 10, 2000. Inquiries may be directed to: **Philip D. Cantino, Chair; e-mail: cantino@ohio.edu; FAX: 740-593-1130.** Further information about the Department, college, and university can be accessed at [websites: www.plantbio.ohiou.edu](http://www.plantbio.ohiou.edu) and <http://www-as.phy.ohiou.edu/>.

Ohio University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

### FACULTY POSITION IN POLYMER CHEMISTRY DEPARTMENT OF CHEMISTRY McMaster University

The Department of Chemistry at McMaster University invites applications for a tenure-track **ASSISTANT PROFESSOR** position in any area of polymer chemistry. The successful candidate will hold a Ph.D., preferably with relevant postdoctoral experience, and will be expected to develop a strong externally funded research program and participate fully in teaching at both the undergraduate and graduate levels. The candidate will find many opportunities for collaboration and interaction with colleagues in the Department and will join the dynamic interdisciplinary Materials Science and Engineering research community at McMaster. The position is available beginning July 1, 2001. Applications including curriculum vitae, a statement of research interests, and letters from three references should be sent by November 15, 2000, to: **Dr. W. J. Leigh, Chair, Department of Chemistry, McMaster University, Hamilton, ON L8S 4M1 Canada. Telephone: +1 905-525-9140, extension 24504; FAX: +1 905-522-2509.** McMaster University is committed to Employment Equity and encourages applications from qualified men and women, members of visible minorities, aboriginal peoples, and persons with disabilities.

### ASSISTANT/ASSOCIATE PROFESSOR MOLECULAR MICROBIOLOGY

The Department of Biology in the College of Arts and Sciences at Virginia Tech invites applications for two tenure-track positions. Applicants should demonstrate a strong background in the application of molecular techniques to the study of the physiology of prokaryotic microorganisms. Application details and a complete position description can be found under "job openings" at: [website: www.biol.vt.edu](http://www.biol.vt.edu) or by contacting: **Dr. Allan Yousten.** Applications are due by December 15, 2000. The College of Arts and Sciences is deeply committed to recruiting, selecting, promoting, and retaining women, persons of color, and persons with disabilities. We strongly value diversity in the college community and seek to assure Equality in Education and Employment. Individuals with disabilities desiring accommodations in the application process should notify: **Dr. A. Yousten, Biology Department** by the application deadline. E-mail: [yousten@vt.edu](mailto:yousten@vt.edu); Telephone: 540-231-5909.



**Yale** UNIVERSITY

## ***Department of Molecular, Cellular and Developmental Biology***

The Department of Molecular, Cellular and Developmental Biology at Yale University invites applications for a faculty appointment at the level of Assistant, Associate or Full Professor in the area of vertebrate developmental biology. It is expected that the successful candidate will lead an active research group, interact with the department's faculty, and participate in interdisciplinary research and training opportunities. In addition, the successful candidate should demonstrate excellence in teaching at both the undergraduate and graduate levels.

Additional information on the Department of Molecular, Cellular and Developmental Biology and the research interests of its faculty can be found on our web site: <http://www.mcdb.yale.edu/>.

Please send curriculum vitae, description of research interests and at least three letters of recommendation by December 13, 2000, to: Search Committee, c/o Chairperson, Department of Molecular, Cellular and Developmental Biology, Yale University, P.O. Box 208103, New Haven, CT 06520-8103. *Yale University is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are especially encouraged to apply.*

### **Director, Office of Equal Opportunity National Institutes of Health**

NIH is seeking candidates for position of Director, Office of Equal Opportunity. NIH is an 18 billion dollar Federal agency with approximately 16,000 employees committed to improving the health of the Nation through medical research. Executive level compensation package is commensurate with qualifications/experience. Recruitment or relocation bonus may be available.

Director, Office of Equal Opportunity: (1) advises the Director, NIH, on equal opportunity, civil rights, diversity management and human resource issues affecting the agency's complex and diverse workforce; (2) develops and carries out NIH equal opportunity policies/procedures to deal with systemic problems; (3) serves as strategic partner with top agency officials; (4) establishes networks with professional organizations in support of minorities, women and the disabled; and (5) provides the framework for civil rights compliance NIH-wide. Manages the Office of Equal Opportunity and reports to the Director, NIH.

Applicants must possess senior level professional experience in the equal opportunity field that demonstrates the following mandatory professional qualifications: (1) Ability to provide visionary leadership in resolving and preventing complex, systemic equal opportunity problems, civil rights oversight concerns, and diversity management and human resource issues through seeking advice from, partnering with, and engendering respect from colleagues and officials within the organization and the equal opportunity community; and (2) Ability to manage a multifaceted equal opportunity organization including establishing plans and policies, evaluating programs, developing and presenting budgets, and building and maintaining a culturally diverse staff. Applicants must also possess the following mandatory executive qualifications: (1) Leading Change; (2) Leading People; (3) Results Driven; (4) Business Acumen; and (5) Building Coalitions/Communication. Further information on these executive qualifications may be found at <http://www.opm.gov/ses>

Please email or mail CV or resume, plus a statement addressing all of the mandatory qualifications to Susan-Elder@nih.gov or **NATIONAL INSTITUTES OF HEALTH, OFFICE OF THE DIRECTOR EXECUTIVE OFFICE, ATTN: SUSAN ELDER, BLDG 2/ROOM 1W15, 2 CENTER DR MSC 0210, BETHESDA, MD 20892-0210. APPLICATIONS MUST BE RECEIVED NO LATER THAN October 31, 2000.**

Application process questions should be addressed to Susan-Elder@nih.gov or 301-594-8258. Fax is 301-402-1368. TDD is 301-402-1970. Vacancy announcement should be obtained by calling 301-402-4111 (#OD-00-7186). Applicants may visit the NIH Home Page at <http://www.nih.gov> and may view announcement at <http://www1.od.nih.gov/ohrm/hrinfo/ses/vacancy>. Applicants may browse Office of Equal Opportunity Home Page at <http://www1.od.nih.gov/ohrm/ceo/default.htm>

**NIH IS AN EQUAL OPPORTUNITY EMPLOYER**

### **Faculty Positions in Environmental Health Sciences at the Johns Hopkins University**

The Division of Physiology in the Department of Environmental Health Sciences is recruiting several new faculty at the Assistant and Associate Professor levels to undertake major new research initiatives aimed at elucidating the mechanisms underlying how the environment impacts on the pathophysiology of lung disease.

The Physiology Division's research is closely aligned with other components of Department of Environmental Health Sciences, whose broad mission is to carry out mechanism-based research focused on problems of the adverse health effects caused by chemical, physical, and biological agents, either occurring naturally or introduced into the environment by man.

Experimental research areas to be considered are immunologic responses, epithelial and smooth muscle function, lung structure/function alterations, and effects of environmental exposure to gases, particles, or biologic agents. Candidates for these positions should have expertise in functional genomics, proteomics, microarray analyses, cell culture, immunohistochemistry, in situ hybridization, or functional evaluation *in vivo*. Candidates will be expected to carry out independent and collaborative research projects funded by extramural agencies.

Interested applicants should forward their current CVs with accompanying letter by email to: [newfac@jhsp.edu](mailto:newfac@jhsp.edu) or by regular post to:

Search Committee Chair  
Physiology Division -- Room W7006  
Department of Environmental Health Sciences  
The Johns Hopkins University  
615 N. Wolfe Street  
Baltimore, MD 21205

*Johns Hopkins University actively encourages interest from women and minorities and is an affirmative action/equal opportunity employer.*



**Keck Graduate Institute of Applied Life Sciences**

### **Computational Biology Faculty**

The Keck Graduate Institute of Applied Life Sciences is the newest member of the Claremont Colleges, dedicated to professional training and research in the applied life sciences. The basic objective of the Institute is to translate into practice the power and potential of the life sciences. Our focus is on the synthesis of multiple disciplines into applications-centered science and engineering in the life sciences. We are continuing our search for outstanding new faculty.

Faculty in **computational biology/bioinformatics and the modeling of complex biological systems** are sought at all levels, particularly the junior level, with the dedication to excellence in teaching and research. They should have a commitment to setting the directions for this new institution for **applied life sciences**, including its innovative curriculum.

Successful candidates will be creative and independent in spirit with significant experience in **academic or industrial science and/or engineering**, and a desire to build interdisciplinary groups. They will be expected to establish a high quality research program, create and teach in a strong educational program and forge connections with industry (e.g., biotechnology, pharmaceuticals, biomedical instrumentation). The faculty of the Institute comes from both industry and academia. Expertise in the analysis of gene or protein expression data and in pathway and network modeling would be of particular interest. Competitive salaries, excellent facilities, liberal leave and consulting policies also contribute to the spirit of this start-up institution.

For further information see: <http://www.kgi.edu>. Applicants should send a letter of interest, curriculum vitae, names and contact details of three references to: **Dr. David Wild, Keck Graduate Institute, 535 Watson Drive, Claremont, CA 91711; FAX: 909/607-8598; email: [david\\_wild@kgi.edu](mailto:david_wild@kgi.edu). EOE**



## POSITIONS OPEN

### BLACK HILLS STATE UNIVERSITY

We are now accepting applications for two tenure-track positions beginning August 2001 at the **ASSISTANT PROFESSOR** level. (1) Psychology/experimental psychology. Teach undergraduate experimental courses such as behavioral genetics, motivation/emotion, and neuroscience and probably general psychology and senior seminar. Mentor student research projects, engage in scholarly activity, and perform community service. Ph.D. in experimental psychology or neuroscience required by August 2001. Send letter of application, curriculum vitae, and three letters of reference by December 1, 2000, to: **Psychology Search Committee, College of Arts and Sciences Unit 9003, Black Hills State University, 1200 University, Spearfish, SD 57799-9003.**

(2) Microbial Ecologist: Primary duties include teaching an upper-level microbiology course for majors, an introductory microbiology course for nursing students, cell biology, lower-level biology courses (possibly at our nearby extension campus), and a course in the applicant's specialty. A Ph.D. in microbiology or a related field prior to the starting date of 15 August 2001 and excellence in teaching are required. Utilization of molecular techniques in research and a commitment to undergraduate research are highly desirable. The University's location provides excellent outdoor recreation and collegiate educational opportunities in a small town setting. Send curriculum vitae, high-quality unofficial copies of undergraduate and graduate transcripts, a description of research goals, a statement of teaching philosophy, and letters from three references by December 1, 2000, to: **Mark Gabel, Box 9003, Black Hills State University, 1200 University, Spearfish, SD 57799-9003.** *Black Hills State University is an Affirmative Action Institution/Equal Employment Opportunity Employer.*

### MOLECULAR GENETICS FACULTY POSITION

The Department of Biological Sciences at Vanderbilt University seeks candidates to fill a rank-open, tenured, or tenure-track faculty position in molecular genetics for the 2001-2002 or 2002-2003 academic year. We are especially interested in candidates studying replication, recombination, repair, protein, or RNA targeting; cytoskeleton; or intracellular organization in any system, including plants. The central criteria for this position are excellence in research and the ability to teach effectively at undergraduate and graduate levels. For information about the Department, visit our website: <http://www.biosci.vanderbilt.edu>. Applicants should send a letter of application together with curriculum vitae, a statement of current and future research interests, and selected reprints to: **Molecular Genetics Search Committee, Department of Biological Sciences, Vanderbilt University, VU Station B 351634, Nashville, TN 37235-1634 U.S.A.** Junior faculty applicants should also arrange for three letters of recommendation to be sent to the same address. Senior faculty applicants should provide a list of at least six references who would be willing to provide letters on request. Review of applications will begin November 13, 2000, and will continue until the position has been filled. *Vanderbilt University is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are especially encouraged to apply.*

Westminster College, a four-year liberal arts college, seeks applications for a tenure-track position in environmental studies at rank of **ASSISTANT** or **ASSOCIATE PROFESSOR** beginning August 2001. Ph.D. required; strong commitment to undergraduate teaching; excellent organizational and interpersonal skills; evidence or promise of professional growth, publications, grant writing, and service. Appointee will teach courses in environmental studies and courses in one or more of the following: earth sciences, geology, geography, meteorology, and oceanography and coordinate the environmental studies programs. Send letter of application and curriculum vitae to: **Dr. Douglas Fickess, Westminster College, Fulton, MO 65251.** Review of applications will begin December 1, 2000. *Equal Opportunity Employer/Affirmative Action Employer.*

## POSITIONS OPEN



SIDNEY KIMMEL  
CANCER CENTER

### POSTDOCTORAL POSITIONS SIDNEY KIMMEL CANCER CENTER SAN DIEGO, CALIFORNIA

Three Postdoctoral positions. Research track for qualified individuals. Project 1: Prostate cancer metastasis; DNA methylation profiling and cDNA arrays under the auspices of a Sidney Kimmel Cancer Center, University of California San Diego NCI Directors Challenge Grant. Project 2: Development of probes for cDNA arrays. Project 3: *Salmonella* gene expression using ORF arrays to study pathogenesis. Curriculum vitae and three references to: **Michael McClelland, Professor and Director, Cell and Molecular Biology, Sidney Kimmel Cancer Center, 10835 Altman Row, San Diego, CA 92121. E-mail: mmcclelland@skcc.org.** *Affirmative Action/Equal Opportunity Employer.*

### FACULTY POSITION MOLECULAR BIOLOGIST

California State University Fullerton, Department of Biological Science, is seeking applicants for a full-time tenure-track position at the **ASSISTANT PROFESSOR** level with expertise in molecular biology to begin in late August 2001. Applicants must have a Ph.D. and at least two years of postdoctoral experience; a strong background in molecular biology; and the ability to teach a core course in molecular biology and genetics, an upper-division laboratory in molecular biotechnology, and upper-division/Master's-level elective courses in an area of expertise. Candidates must be committed to excellence in teaching at both the undergraduate and Master's levels and to the development of a productive, preferably externally funded, research program involving students at both levels. Send curriculum vitae (including a history of grant support), a statement of research plans, a statement of teaching experience using inquiry-based pedagogy (including core and elective course preferences), a summary of teaching philosophy, three related publications, and three letters of recommendation to: **Molecular Biology Search, Department of Biological Science, California State University, Fullerton, P. O. Box 6850, Fullerton, CA 92834-6850. Website: <http://biology.fullerton.edu>.** Review of applications will begin 10 January 2001 and continue until a suitable candidate is appointed. *Affirmative Action/Equal Opportunity Employer/Americans With Disabilities Act Employer. Women and minority candidates are particularly encouraged to apply.*

**ANIMAL PHYSIOLOGIST.** The Department of Biological Sciences at the University of Alabama invites applications for a tenure-track faculty position at the **ASSISTANT PROFESSOR** level. The successful candidate will be expected to develop a strong and extramurally funded research program in physiology. The candidate is also expected to have a strong background in vertebrate physiology, to teach animal/human physiology, and to assume a leadership role in updating and reorganizing the Department's physiology curriculum. Evidence of strong independent research and teaching potential will be important criteria for selecting qualified candidates. A Doctoral degree and postdoctoral research experience are required for this position. Applicants should submit curriculum vitae and statements of research goals and teaching philosophy and have letters from three references sent to: **Dr. Janis O'Donnell, Chair, Physiology Search, Department of Biological Sciences, Box 870344, University of Alabama, Tuscaloosa, AL 35487-0344. E-mail: [jdodnell@biology.as.ua.edu](mailto:jdodnell@biology.as.ua.edu).** Additional information may be obtained from the Department's website: <http://www.as.ua.edu/biology/>. Review of applications will begin on November 1, 2000, and will continue until the position is filled. Start date for the position is August 15, 2001. *The University of Alabama is an Equal Opportunity/Affirmative Action Employer and welcomes applications from women and members of minority groups.*

## POSITIONS OPEN

The Biology Department at SUNY Fredonia is seeking applications for two tenure-track **ASSISTANT PROFESSOR** positions to begin August 2001. **Ecologist:** Preference will be given to a quantitative Ecologist utilizing experimental approaches to the study of terrestrial ecosystems. In addition, the successful candidate will be involved with coordinating secondary education programs. The successful applicant will teach an ecology course required of biology and environmental science majors as well as general education and upper-level/graduate course(s). **Vertebrate Physiologist:** We seek an individual with expertise in either fish or herpetological physiology. Teaching responsibilities would include an anatomy and a physiology course for biology, biochemistry, and medical technology students as well as general education and upper-level/graduate course(s). For both positions, an active research program that promotes scholarship and involves undergraduate and M.S. students is expected. Candidates must possess a Ph.D., and postdoctoral experience is expected.

Located 45 miles west of Buffalo close to the shores of Lake Erie, SUNY Fredonia is a selective, public undergraduate liberal arts college. Our majors benefit from opportunities to work closely with faculty in ongoing research. The Biology Department is well equipped for both field and laboratory research, and appropriate start-up packages will be provided. The complete application includes an application letter, curriculum vitae, statements of research interests and teaching philosophy, unofficial copies of undergraduate and graduate transcripts, and three letters of reference. Review of complete applications will begin November 15, 2000. Send materials to either: **Ecologist or Physiologist Search Committee, Department of Biology, SUNY Fredonia, Fredonia, NY 14063. Website: <http://www.fredonia.edu/biology/index.htm>; e-mail: [biology@fredonia.edu](mailto:biology@fredonia.edu).**

*SUNY Fredonia is an Equal Opportunity/Affirmative Action Employer and actively seeks and encourages nomination of and expressions of interest from minorities, females, and persons with disabilities.*

### FACULTY POSITION MOLECULAR BIOLOGY/ BIOINFORMATICS

California State University Fullerton, Department of Biological Science is seeking applicants for a full-time tenure-track position at the **ASSISTANT PROFESSOR** or **ASSOCIATE PROFESSOR** level with expertise in molecular biology and bioinformatics to begin in late August 2001. Applicants must have a Ph.D. and at least two years of postdoctoral experience; a strong background in computational molecular biology with demonstrated in-depth experience in modern molecular biology as well as in applying/developing bioinformatic tools to solve biological problems; and the ability to teach a core course in molecular biology and genetics, upper-division course(s) in bioinformatics, and upper-division/Master's-level elective courses in an area of expertise. Candidates must be committed to excellence in teaching at both the undergraduate and Master's levels and to the development of a productive, preferably externally funded, research program involving students at both levels. The successful candidate will be expected to participate in developing an interdepartmental bioinformatics program. Send curriculum vitae (including a history of grant support), a statement of research plans, a statement of teaching experience using inquiry-based pedagogy (including core and elective course preferences), a summary of teaching philosophy, three related publications, and three letters of recommendation to: **Molecular Biology/Bioinformatics Search, Department of Biological Science, California State University, Fullerton, P. O. Box 6850, Fullerton, CA 92834-6850. Website: <http://biology.fullerton.edu>.** Review of applications will begin 10 January 2001 and continue until a suitable candidate is appointed. *Affirmative Action/Equal Opportunity Employer/Americans With Disabilities Act Employer. Women and minority candidates are particularly encouraged to apply.*



## St. Jude Children's Research Hospital

ALSAC • Danny Thomas, Founder

### POSTDOCTORAL POSITIONS in Developmental Neurobiology

Postdoctoral research associate positions are available in the laboratory of Dr. James Morgan in the Department of Developmental Neurobiology. One project involves the analysis of a regeneration-related signal transduction pathway in axotomized spinal neurons using transgenic and knockout strains of mice. This study would be suited to someone with a strong background in spinal cord anatomy, contemporary neuroanatomical methods and molecular biology. The second project involves the molecular dissection of a novel signaling pathway in an animal model of Parkinson's disease. Suitable individuals would have experience in biochemistry, molecular biology and cell culture. A third project is for an experimental embryologist to identify genes important in neurodevelopment through the study of mouse embryos cloned from somatic cells. Experience in deriving and characterizing ES cells and embryo cultures would be an advantage.

For consideration, send resume to: **St. Jude Children's Research Hospital, Department of Developmental Neurobiology, Attention: Ms. Carol Jacks, 332 N. Lauderdale St., Memphis, TN 38105-2794** or informal inquiries may be made by email to: [jlm.morgan@stjude.org](mailto:jlm.morgan@stjude.org)

[www.stjude.org](http://www.stjude.org)

AA/EOE M/F/D/V



## Biophysical/Bioanalytical

### Faculty Position

Purdue University seeks an outstanding scientist to fill a faculty position at any rank in the Department of Medicinal Chemistry and Molecular Pharmacology. Applicants should have research interests related to human health in areas that focus on the investigation and/or quantification of macromolecular interactions. Candidates who employ or develop biophysical or bioanalytical methods, such as biological NMR, computational biology/chemistry, optical spectroscopy, mass spectrometry or separation sciences, are especially encouraged to apply. The successful candidate will be expected to establish and/or maintain a strong, extramurally funded program. Commitment to excellence in teaching at the undergraduate and graduate levels will also be required. The Department and University offer a vigorous and growing research environment with first-rate instrumentation in NMR, mass spectrometry, and computer facilities that include a 256-processor IBM/SP2. Opportunities exist to participate in the Purdue Cancer Center and in interdepartmental graduate education in the Biochemistry and Molecular Biology Program and Purdue University Neuroscience Program. Candidates must hold a Ph.D. and have at least two years of postgraduate experience. Applicants should submit a curriculum vitae and a detailed description of research plans to the address below. Applicants at the assistant professor level should also arrange for submission of three letters of recommendation.

**Biophysical/Bioanalytical Faculty Search Committee**  
**Department of Medicinal Chemistry**  
**and Molecular Pharmacology**  
**Purdue University, School of Pharmacy**  
**1333 Robert Heine Pharmacy Building**  
**West Lafayette, IN 47907-1333**

Review of the candidates will begin December 1, 2000 and continue until the position is filled. *Purdue University is an equal opportunity/affirmative action employer and encourages the nomination and application of women and minority candidates.*

### ASSOCIATE DIRECTOR Molecular Medicine

Northwest Hospital is a growing community hospital located in Seattle, WA and is expanding its laboratory-based clinical research effort through the department of Molecular Medicine with 10,000 sq. ft. of new laboratory space capable of supporting 8-10 investigators. Further expansion to 18,000 sq. ft. of lab space and additional investigators will occur in 2002. We seek an innovative leader with an established laboratory-based clinical cancer research program in the general area of tumor immunology or tumor biology to coordinate this effort. Several new independent investigator positions are available during this expansion. The Associate Director position requires excellent management and communication skills and the ability to help create an environment conducive to cooperative and interactive research with the goal of moving bench science into the clinic and biotechnology industry. Highly competitive salary and benefit package available. Please respond with CV, a brief description of research program, funding history and vision of research areas to: **Chair, Search Committee, Molecular Medicine, Northwest Hospital, 21720 23rd Dr. SE, Suite 101, Bothell, WA 98021 or 425-608-3009 (FAX) or [marilyn@nwbio.com](mailto:marilyn@nwbio.com).**

### Immuno- Pharmacologist

Your responsibilities will include reviewing and providing technical evaluations of pharmacology data for licensing candidates and investigator-solicited proposals submitted to marketing. You will provide technical and budgetary input for project plans and manage operational aspects of studies. Other challenges will include publishing pharmacology data for marketed drugs and those in development, preparing regulatory submissions for pharmacology disciplines, including IB, IND, and NDA's. You will design and conduct pharmacology studies for marketing and line extensions.

We require a Ph.D. in Pharmacology and 3-5 years' experience in a pharmaceutical, biotechnology, CRO or academic setting, the ability to work independently on multiple projects and effective communication skills. Experience in inflammatory diseases is preferred.

To be considered for part of our team, send your resume, in confidence, with salary requirements to: **Human Resources Department, Code MS-SCI, Forest Laboratories, Inc., 909 Third Ave., New York, NY 10022-4731; Fax: 212-750-9152; [staffing@frx.com](mailto:staffing@frx.com)**  
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Visit our website at [www.frx.com](http://www.frx.com)



**FOREST LABORATORIES, INC.**  
*Where Opportunity Keeps Growing.*

### POSTDOCTORAL RESEARCH POSITIONS IN CHROMATIN AND TRANSCRIPTION

Two postdoctoral positions are available to study the mechanism of gene regulation by specific transcription factors and their associated chromatin remodeling and chromatin modification complexes. These projects will use biochemical approaches, including transcription of chromatin-assembled templates and purification of novel protein complexes, as well as biological assays.

Specific projects include: 1. Characterize novel chromatin remodeling complexes and determine how these are targeted to specific genes; 2. Analyze disease-related gene silencing by chromatin condensation and DNA methylation; 3. Develop a chromatin-based *in vitro* transcription system to study long-range elements such as locus control regions and insulators.

Recent papers:

**Kadam, S., McAlpine, G.S., Phelan, M.L., Kingston, R.E., Jones, K.A., and Emerson, B.M. (2000).** Functional selectivity of recombinant mammalian SWI/SNF subunits. *Genes & Dev.* 14: in press.

**Armstrong, J. A., Bieker, J.J., and Emerson, B.M. (1998).** A SWI/SNF-related chromatin remodeling complex, E-RC1, is required for tissue-specific transcriptional regulation by EKLF *in vitro*. *Cell* 95: 93-104.

Interested individuals should send their CV and list of references to the address listed below.

**Beverly M. Emerson, Ph.D., Regulatory Biology Laboratory, The Salk Institute, 10010 N. Torrey Pines Road, La Jolla, CA 92037, [emerson@salk.edu](mailto:emerson@salk.edu). The Salk Institute is an Equal Opportunity Employer.**

## POSITIONS OPEN

### CELL BIOLOGIST

St. John Fisher College in Rochester, New York, invites applications and nominations for a tenure-track position of **ASSISTANT PROFESSOR** in the area of cell biology beginning in September 2001. Fisher is an independent college serving over 2,000 students at a suburban campus. The college offers 25 undergraduate and 11 graduate programs in the School of Adult and Graduate Education. Rochester, New York, is noted for its excellent symphony orchestra, arts and science museums, proximity to the Finger Lakes region and the Adirondack Mountains, and high concentration of some of the largest international corporations and best hospitals in the nation.

The successful candidate will be expected to teach courses in cell biology, developmental biology, and a specialty area. The ability to teach a course in electron microscopy (TEM, SEM) will be considered an asset but not required. Applicants should submit a letter of recommendation, curriculum vitae, a description of past teaching experiences, and a list of references to: **Dr. Mel Wentland, Biology Department, St. John Fisher College, Rochester, NY 14618. FAX: 716-385-7311; e-mail: wentland@sjfc.edu.** Applications must be received by November 15, 2000, at which time the review will begin and continue until the position is filled.

*St. John Fisher College is an Equal Opportunity/Affirmative Action Institution and is committed to providing Equal Opportunity through its employment practices. Women and minorities are encouraged to apply.*

### DEPARTMENT OF CELLULAR AND STRUCTURAL BIOLOGY University of Colorado School of Medicine

Seeks to fill a position of **ASSISTANT PROFESSOR** in the area of cell biology. Qualified candidates have a Doctoral degree and outstanding research record. The successful candidate is expected to participate in the Department's teaching mission and to establish a strong, independent research program designed to investigate fundamental mechanisms of cell function. Areas of special interest include but are not restricted to cell adhesion and motility.

The review of applicants will begin November 1, 2000. Candidates should submit their curriculum vitae and a one-page statement of their research goals to:

**Dr. Karl H. Pfenninger, Professor and Chair  
Department of Cellular and Structural Biology,  
Box B-111/CB  
University of Colorado School of Medicine  
4200 East Ninth Avenue  
Denver, CO 80262**

Candidates should arrange to have three letters of recommendation sent to the same address. Visit our website: [www.uchsc.edu/sm/cellbio](http://www.uchsc.edu/sm/cellbio). The University of Colorado Health Sciences Center is committed to Equal Employment Opportunity and Affirmative Action.

### ASSISTANT PROFESSORSHIPS/ BIOLOGICAL SCIENCES

Tenure-track positions effective August 1, 2001: (1) Botanist to teach plant morphology, plant function and development, and introductory biology. Preference will be given to applicants also qualified to teach general ecology. (2) Human Physiologist to teach human physiology and introductory biology. Preference will be given to applicants also qualified to teach human anatomy. (3) Zoologist to teach invertebrate zoology, parasitology, and introductory biology. Other duties listed in departmental bylaws. Requirements: Ph.D. in biological sciences with appropriate training. Send letter of application, current curriculum vitae, statement of teaching philosophy, official graduate transcripts, and three letters of reference from individuals who can comment on your teaching ability to: **Search Committee, Biological Sciences, University of Tennessee at Martin, Martin, TN 38238.** Review of applications will begin November 1, 2000. *University of Tennessee at Martin is an Equal Employment Opportunity/Affirmative Action/Title VI/Title IX/Section 504/Americans With Disabilities Act/Age Discrimination in Employment Act Employer.*

## POSITIONS OPEN

The Department of Psychology at the University of Massachusetts at Amherst is seeking to fill a tenure-track position in cognitive neuroscience beginning fall 2001. The position will most likely be filled at the **ASSISTANT PROFESSOR** level, but candidates at the **ASSOCIATE PROFESSOR** level will be considered. Applicants should be engaged in research aimed at learning how cognitive functions are implemented in the human brain using brain imaging, electrophysiological, computer modeling, or any other appropriate techniques. The work should interface with existing faculty in strong graduate programs in cognitive psychology (with emphasis on perception, attention, memory, or language processing) and neuroscience and behavior. Both programs currently have training grants and solid extramural research support. Salary is dependent on experience and qualifications. Applicants should send curriculum vitae, a statement of research and teaching interest, reprints of recent publications, and at least three letters of recommendation to: **Cognitive Neuroscience Search Committee, Department of Psychology, University of Massachusetts, Amherst, MA 01003-7710.** We will begin reviewing applications in November 2000 and will continue until the position is filled. *The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are highly encouraged to apply.*

### PLANT MOLECULAR SYSTEMATIST

The Department of Biology at the University of South Dakota invites applications for a **TENURE-TRACK POSITION** in plant molecular systematics beginning August 2001 (level negotiable). The successful candidate is expected to develop an independent and competitive research program; to participate in the graduate program, and to teach courses at the undergraduate and graduate levels. Ph.D. is required and postdoctoral experience preferred. Possible courses may include plant systematics, local flora, phylogenetic methods, molecular biology, and/or introductory level courses. Review of applications will begin November 1, 2000, and will continue until the position is filled. Send curriculum vitae, statements of research and teaching interests, and names and addresses of three references to:

**Dr. Paula Mabey  
Chair  
Plant Molecular Systematics Search Committee  
Department of Biology  
414 East Clark Street  
University of South Dakota  
Vermillion, SD 57069-2390**

*University of South Dakota is an Equal Opportunity/Affirmative Action Employer.*

### ASSISTANT PROFESSOR MICROBIAL PATHOGENESIS OR HOST DEFENSE MECHANISMS

The Department of Biology and Microbiology, California State University, Los Angeles, will fill a tenure-track position beginning fall 2001. Individuals with research interests in host-parasite interactions including the molecular or cellular mechanisms of microbial pathogenesis (viral, bacterial, fungal, or parasitic) or host defense (either innate or adaptive) will be considered. Ph.D. and postdoctoral experience required. The candidate will be expected to develop a productive, independently funded research program involving undergraduate and Master's degree students and to teach undergraduate and graduate courses. Competitive start-up funds are available. Submit curriculum vitae, statements of research plans and teaching philosophy, and three letters of reference to: **Dr. Nancy McQueen, Department of Biology and Microbiology, California State University, Los Angeles, CA 90032.** Inquiries to e-mail: [nmcqueen@calstatela.edu](mailto:nmcqueen@calstatela.edu). Position open until filled. Review of completed applications will begin December 11, 2000.

*An Equal Opportunity/Disabled/Title IX Employer. Reasonable accommodation may be requested.*

## POSITIONS OPEN

### ASSISTANT OR ASSOCIATE PROFESSOR OF BIOCHEMISTRY, BIOPHYSICS, AND MOLECULAR BIOLOGY Iowa State University, Ames

The Department of Biochemistry, Biophysics, and Molecular Biology (BBMB) at Iowa State University invites applications from outstanding candidates for a **TENURED OR TENURE-TRACK POSITION** in the area of macromolecular interactions and their control of metabolic and physiological processes. The Department of BBMB offers excellent facilities and an interactive research environment. Further information about the Department is available at website: [www.bb.iastate.edu](http://www.bb.iastate.edu). The successful candidate must develop an outstanding research program and display excellence in teaching at the graduate and undergraduate level. Ample laboratory space and a generous start-up package are available.

Candidates should have a Ph.D. or equivalent degree and postdoctoral experience. Applications should include a cover letter, curriculum vitae, a description of research accomplishments and proposals for future research, and three letters of recommendation sent under separate cover. Review of materials will begin on December 1, 2000, and continue until the position is filled. Materials should be sent to:

**Faculty Search Committee  
Department of BBMB  
1210 Molecular Biology Building  
Iowa State University  
Ames, IA 50011**

*Iowa State University is an Affirmative Action/Equal Opportunity Employer. Applications from women and minority candidates are especially encouraged.*

### TWO TENURE-TRACK ASSISTANT PROFESSORSHIPS AT EAST CAROLINA UNIVERSITY

Entomology. Responsibilities include teaching at the undergraduate and graduate levels, including a course in insect biology; performing appropriate professional service; and maintaining an extramurally funded research program, preferably in insect ecophysiology, landscape ecology, or systematics. Send hard copy of curriculum vitae, a statement of teaching and research interests, and the names and contact information of three current references to: **Hal J. Daniel, Department of Biology, East Carolina University, Greenville, NC 27858-4353.**

Comparative physiology. Responsibilities include teaching at the undergraduate and graduate levels, including comparative animal physiology; performing appropriate professional service; and maintaining an extramurally funded research program that can interface the strengths of the Department: ecology, cell and molecular biology, and evolution. Send hard copy of curriculum vitae, a statement of teaching and research interests, and the names and contact information of three current references to: **Robert R. Christian, Department of Biology, East Carolina University, Greenville, NC 27858-4353.**

Both positions are to begin August 13, 2001, and screening begins November 1, 2000. Positions will remain open until filled.

The Department of Pharmacology at Yale University School of Medicine invites applications for two faculty positions at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level. The Department is currently building a program in the area of signal transduction with special emphasis on the structural analysis of receptor function and seeks candidates with an outstanding record in this area. Candidates with existing research grants would be particularly welcome.

Applications should include curriculum vitae, statement of research plans, and three letters of recommendation and should be sent by December 15, 2000, to: **Dr. William Sessa, Faculty Search Committee, Department of Pharmacology, Yale University School of Medicine, 333 Cedar Street, P.O. Box 208066, New Haven, CT 06520.** *An Equal Opportunity/Affirmative Action Employer.*

**Faculty Positions in  
Cancer Research  
LSU Health Sciences Center**

The Stanley S. Scott Cancer Center at LSU Health Sciences Center in New Orleans invites applications for tenure-track or tenured positions at the Associate Professor or Professor level. Candidates should possess a Ph.D. or M.D. degree and have demonstrated excellence in their research as indicated by both publications and a track record of externally funded research grants. The successful applicants will be expected to pursue an independent yet collaborative approach, addressing broad issues that relate to oncologic science. Research interests in prostate and/or lung cancer are encouraged but not required.

The search will give full consideration to applications that include curriculum vitae (including funding grant history), four representative publications, and the names of three individuals that may be contacted for letters of reference.

Joint appointments in the Cancer Center and an appropriate Department at the LSU Medical School are anticipated. The individual Departments will be dependent on the successful applicants' expertise and interests. Laboratory space will be provided in a new state-of-the-art facility in the heart of the Medical School complex.

Interested candidates should submit their curriculum vitae to:

**Dr. Oliver Sartor, Director  
Stanley S. Scott Cancer Center  
533 Bolivar Street, Box CSB-4-17  
New Orleans, Louisiana 70112**

*LSUHSC is an EOE/AA*

**Georgia Southern University  
Assistant Professor  
Physical or Inorganic Chemistry**

A full-time tenure-track assistant professor position is available to begin August 1, 2001, for an individual with expertise in experimental physical or inorganic chemistry. Applicants must have command of written and spoken English and their vitae must provide evidence of strong teaching and research abilities. A commitment to teaching at the undergraduate level is expected. The successful candidate will teach in the area of specialty as well as in lower division courses and will be expected to develop an active experimental research program involving undergraduates. We especially encourage applications from individuals with expertise in both experimental physical and inorganic chemistry. Salary dependent upon qualifications. Applicants must have an earned Ph.D. in Chemistry by the time of appointment. Additional information is available at <http://www2.gasou.edu/chemdept>.

Applicants for the position should send a curriculum vitae, unofficial copies of undergraduate and graduate transcripts, a statement of teaching philosophy, a description of proposed research, and have three letters of reference sent to **Dr. Jeffrey Orvis, Search Chair, Department of Chemistry, P.O. Box 8064, Georgia Southern University, Statesboro, GA 30460-8064**. Postmark deadline for completed applications is November 17, 2000. The names of applicants and nominees, résumés, and other general non-evaluative information are subject to public inspection under the Georgia Open Records Act. Georgia Southern University, a regional university in the University System of Georgia, is an EO/AA institution. Persons who need reasonable accommodations in the search process under the ADA should contact the search chair.



**Office of  
Intellectual  
Property**

**LUDWIG INSTITUTE FOR  
CANCER RESEARCH** consists of ten academic centers and four administrative offices established worldwide.

The New York Office seeks a further **Scientific Administrative Officer** to assist in identifying areas of research within the Institute suitable for patent protection. By working closely with branch scientists, existing members of the London and New York Intellectual Property Offices and the Institute's patent counsel, the successful candidate will help in preparing and prosecuting patent applications.

Applicants should have had at least 3 years postgraduate research experience, preferably in relation to immunology or molecular biology. Some knowledge of oncology would be helpful. Prior experience of patenting would be advantageous. However, a wide ranging interest in science and an ability to rapidly assimilate new data are essential. Some international travel may be involved.

Salary will depend on previous experience and is subject to negotiation.

Interested candidates should apply in writing to A. Munro Neville M.D., at either of the offices below enclosing a copy of their curriculum vitae, together with the name of two referees, before 30 October 2000 to:

**Ludwig Institute  
for Cancer Research**  
6th Floor Glen House  
Stag Place  
London SW1E 5AG  
UK

Fax: 0044 (0) 20 7828 5427

-or-

**Ludwig Institute  
for Cancer Research**  
605 Third Avenue  
New York, NY 10158  
USA

Fax: 001 212 450 1555

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**X-RAY CRYSTALLOGRAPHY  
FACULTY POSITION  
UNIVERSITY OF CINCINNATI  
COLLEGE OF MEDICINE**

The Department of Molecular Genetics, Biochemistry, and Microbiology invites applications or nominations for a tenure-track position in the area of x-ray crystallography. The successful candidate will bring the discipline to our structural biology program which includes a world-class NMR facility with a 400, a 500, two 600 and an 800 MHz instruments. Structural biology has been designated a priority of the College. With 26 full-time faculty, we maintain strong active research programs in multiple disciplines including structural biology, differentiation, developmental and cancer biology, human genetics, molecular and cellular immunology, viral and microbial pathogenesis, and membrane transport. We support an active graduate program and maintain core facilities accessible to all University faculty.

For further information, please see <http://ucmg65.med.uc.edu/>. Applicants should submit a CV, brief description of research, and the names of three qualified references to: **Jerry B. Lingrel, Ph.D., Professor and Chair, Department of Molecular Genetics, Biochemistry and Microbiology, PO Box 670524, Cincinnati, OH 45267-0524.**

*Affirmative Action/Equal Opportunity Employer*

## POSITIONS OPEN

### FACULTY POSITION PLANT MOLECULAR BIOLOGIST

The Department of Botany, The University of Tennessee, Knoxville, seeks a Plant Molecular Biologist for a tenure-track **ASSISTANT PROFESSOR** appointment to begin August 1, 2001. A Ph.D. with postdoctoral experience as well as a commitment to excellence in research and teaching is required. We seek candidates who are addressing problems in the areas of molecular and cellular biology, development, or genomics of plants. Supervision of graduate students and success in obtaining external research support are expected. Teaching duties will involve undergraduate and graduate teaching including the areas of plant biochemistry or physiology. Applicants should submit complete curriculum vitae, a brief summary of research interests, and three letters of recommendation to: **Chair, Plant Molecular Biologist Search Committee, Department of Botany, University of Tennessee, Knoxville, TN 37996-1100**. Screening of applications will begin 30 November 2000. For additional information on the Department, see website: <http://fp.bio.utk.edu/botany/>.

*University of Tennessee Knoxville is an Equal Employment Opportunity/Affirmative Action/Title VI/Title IX/Section 504/Americans With Disabilities Act/Age Discrimination in Employment Act Institution in the provision of its education and employment programs and services.*

### LECTURERS IN BIOLOGY

Applicants with a Ph.D. degree, teaching experience, and excellent communication skills are sought for two **NONTENURE-TRACK POSITIONS** to begin in the fall of 2001. Preference will be given to those who can teach undergraduate nonmajors and develop courses for majors in environmental biology or are able to teach upper-division laboratories in biochemistry, genetics, and/or biotechnology and develop courses in the area of cell molecular biology. The appointments will be for an initial period of two years. Submit a letter of interest, curriculum vitae, and three letters of recommendation that specifically address your teaching skills and experience to: **Lecturers Search, Department of Biological Sciences, Southern Methodist University, P.O. Box 750376, Dallas, TX 75275-0376**. For more information about the Department, see our website: [www.smu.edu/biology](http://www.smu.edu/biology). The committee will begin its review of the applications on or about November 30, 2000, but the committee will continue to accept applications until the position is filled. The committee will notify applicants of its employment decision after the position is filled. *Southern Methodist University will not discriminate on the basis of race, color, religion, national origin, sex, age, disability, or veteran status. SMU also is committed to nondiscrimination on the basis of sexual orientation.*

### BIOCHEMISTRY: TENURE-TRACK POSITION COLLEGE OF THE HOLY CROSS

The Department of Chemistry seeks applicants of all ranks for a tenure-track position to begin September 2001. The primary teaching responsibility is either organic chemistry with laboratory or general chemistry with laboratory and a course in biochemistry. College of the Holy Cross is a selective Jesuit liberal arts undergraduate institution situated 40 miles from Boston. More information about the College, Department, our discovery curriculum, and research program can be found at website: <http://www.holycross.edu>. Send a letter of application, official undergraduate and graduate transcripts (Ph.D. required), three letters of recommendation, a statement on teaching philosophy (specify interest in organic or general chemistry), and a description of research plans (including estimated start-up costs and how undergraduates will be involved) by November 17, 2000, to: **Search Committee, Department of Chemistry, College of the Holy Cross, Worcester, MA 01610**. College of the Holy Cross is an Equal Opportunity Employer which affirms the values and goals of diversity. The applications of women, persons of color, and persons of disabilities are particularly encouraged.

## POSITIONS OPEN

### STANFORD UNIVERSITY Department of Computer Science

The Computer Science Department of Stanford University invites applications for a tenure-track faculty position at the **ASSISTANT PROFESSOR** level from candidates with expertise in the areas at the intersection of computer science and biology. The position is open to candidates investigating computational techniques to solve challenging problems in biology (for example, sequence alignment, three-dimensional structure reconstruction, simulation of molecular motions, mining of genomic database, screening of molecular databases) as well as to candidates whose interest is in using biological knowledge to design new computational schemes and architectures. Higher priority will be given to the overall innovation and promise of the candidate's work than to the specific topics of this work.

An earned Ph.D., evidence of the ability to pursue a leading-edge research program at the intersection of computer science and biological sciences, and a strong commitment to graduate and undergraduate teaching are required. The successful candidate will be expected to teach courses in computer science and biomedical computing at the graduate and undergraduate levels. In addition, the candidate is expected to build and lead a team of graduate students in Ph.D. research with connections to new educational and research programs being created at Stanford such as the Bio-X initiative. Further information about the Computer Science Department can be found at website: <http://www-cs.stanford.edu>. Information about the Bio-X initiative can be found at website: <http://cmgm.stanford.edu/biochem/biox/>.

Applications should include curriculum vitae, statements of research and teaching interests, and the names of at least four references. The application should be sent to: **Professor Leo Guibas, Search Committee Chair, c/o Laura Kenny-Carlson, Computer Science Department, Stanford University, Gates 278, Stanford, CA 94305-9025**.

The review of applications will begin on January 15, 2001, but applications will be accepted until February 15, 2001. The position is available beginning autumn 2001. *Stanford University is an Equal Opportunity Employer and welcomes nominations of women and minority group members and applications from them.*

### ASSISTANT/ASSOCIATE OR FULL PROFESSOR OF CELLULAR BIOLOGY AND ANATOMY Medical College of Georgia

The Department of Cellular Biology and Anatomy at the Medical College of Georgia invites applications for tenure-track faculty positions at the **ASSISTANT/ASSOCIATE or FULL PROFESSOR** level. Individuals with research interests in visual neuroscience and/or cell and molecular biological studies of the visual system are particularly encouraged to apply. Excellent opportunities exist for collaboration and interaction with other Investigators in the Department and the Institution in vision research as well as with Investigators in epithelial cell biology, cardiovascular research, developmental biology, and neuroscience. The quality of research will be the primary criterion for selection. Applicants will also be expected to participate in teaching in the Schools of Medicine, Allied Health Sciences, or Graduate Studies. Competitive start-up packages and state-of-the-art imaging, transgenic mouse, and molecular biology core facilities are available. Applicants with a Ph.D. and/or M.D. should submit curriculum vitae, selected publications, a letter describing research interests, and the names of at least three references to: **Sylvia B. Smith, Ph.D., Chair, Faculty Search Committee, Department of Cellular Biology and Anatomy, Medical College of Georgia, CB2820, Augusta, GA 30912-2000**.

*The Medical College of Georgia is an Equal Employment Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

### FACULTY POSITION IN MOLECULAR BIOSCIENCES WASHINGTON STATE UNIVERSITY

The School of Molecular Biosciences is seeking to fill a tenure-track **ASSISTANT or ASSOCIATE PROFESSOR** position beginning August 2001 or later. Applicants should have research interests and experience in protein structure/function that would complement existing departmental strengths. Candidates should have a Ph.D. in biochemistry, chemistry, or a related discipline; postdoctoral training; ability to communicate effectively with students and colleagues; and a record indicating outstanding abilities and potential in research and teaching. The successful candidate will be expected to develop and maintain a vigorous research program supported by extramural funding, train graduate students, and participate in graduate and undergraduate teaching. Applicants will be considered for the position at the **ASSOCIATE PROFESSOR** level if exceptionally qualified and experienced. Screening of applicants will begin December 1, 2000, and continue until the position is filled. Send letter of application; curriculum vitae; a statement of current and long-term research interests; and arrange for three letters of reference addressing research potential, teaching, and communication skills to be sent to: **Dr. Toshiko Ichiye, Search Committee Chair, School of Molecular Biosciences, Washington State University, Pullman, WA 99164-4660**. (See website: <http://molecular.biosciences.wsu.edu>.) *Washington State University is an Equal Employment Opportunity/Affirmative Action Educator and Employer. Protected groups are encouraged to apply. Washington State University employs only U.S. citizens and lawfully authorized non-U.S. citizens.*

**FACULTY POSITION**, biophysical chemistry. The Department of Chemistry at the University of Nebraska-Lincoln seeks to fill a tenure-track position in biophysical chemistry at the **ASSISTANT PROFESSOR** level starting fall 2001. Candidates who are interested in the structural determination of biomolecules using NMR are especially encouraged to apply; our Department is now acquiring a new 600 MHz NMR spectrometer as part of this effort. All applicants should have a demonstrated research record, the potential for establishing a significant externally funded research program, and an interest in undergraduate and graduate teaching. Preference will be given to those whose interests complement current research in the Department. Candidates should submit a letter of application, curriculum vitae and statement of research interests, and should also arrange to have three letters of reference sent to the Search Chair. Reply to: **Professor David S. Hage, Biophysical Search Committee Chair, Department of Chemistry, 738 Hamilton Hall, University of Nebraska-Lincoln, Lincoln, NE 68588-0304. FAX: 402-472-2044; e-mail: dhage@unlserve.unl.edu**. The screening of applicants will begin November 15, 2000, and will continue until a suitable candidate is found. More information on our Department can be found at website: <http://www.chem.unl.edu>. *The University of Nebraska is committed to a pluralistic campus through Affirmative Action and Equal Opportunity and is responsive to the needs of dual-career couples. We assure reasonable accommodation under the Americans With Disabilities Act. For assistance, contact: Shirley Lederer at 402-472-3634.*

### ASSISTANT/ASSOCIATE PROFESSOR

One long-term-track faculty position. Begin August 2001. Ph.D. required; primary teaching responsibility environmental science courses, along with freshman biology courses. Experience in small college preferred. Liberal arts environment. Responsibilities include academic advising, committee work; expected to engage in research with undergraduates, to publish, and to seek extramural funding for one's research. Strong record of teaching excellence and scholarship desirable. Letter stating interests, complete résumé, transcripts, and three letters of reference due prior to December 1, 2000, to: **Sr. John Karen Frei, Dean, School of Natural and Health Sciences, Barry University, Miami Shores, FL 33161**.



## Postdoctoral Position G Proteins/Genomic Imprinting

Postdoctoral position immediately available in the Metabolic Diseases Branch, NIDDK. We are studying the role of the G protein Gs in regulating energy and glucose metabolism, the mechanisms by which the Gs- $\alpha$  subunit gene (Gnas) is imprinted, and the role of Gs- $\alpha$  defects in human disease, using transgenic mouse and human disease models. Candidates should have an Ph.D. and/or M.D. and less than five years postdoctoral experience. Please send CV, list of publications and names of 3 references to:

**Lee S. Weinstein, M.D.**  
Metabolic Diseases Branch  
NIDDK/NIH

Building 10 Room 8C101  
10 Center Drive MSC1752  
Bethesda, MD 20892-1752  
Voice: (301) 402-2923  
Fax (301) 402-0374

E-mail: [leew@amb.niddk.nih.gov](mailto:leew@amb.niddk.nih.gov)

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## PENNSTATE



University  
Park

## ASSISTANT PROFESSOR OF AVIAN BIOLOGY

### Department of Poultry Science

### College of Agricultural Sciences

This tenure track position has an 80% research and 20% teaching responsibility. The RESEARCH program goal should be to better understand the physiological, hormonal, or nutritional control of avian female reproduction and fertility. Appropriate areas of study might include oogenesis, folliculogenesis, vitellogenesis, fertilization, oviduct physiology, or embryogenesis. Individuals with research interests and experience in the manipulation of egg proteins via transgenic technology (i.e., avian bioreactors) will also be considered. The successful applicant will be expected to develop a nationally recognized, extramurally-funded research program with a focus that complements departmental strengths in growth and development, genetics, immunology, nutrition, and management. The individual also will advise and interact with undergraduate and graduate students and will be responsible for TEACHING (or co-teaching) an undergraduate course in comparative physiology of domestic animals and a graduate course in their area of expertise.

Requires a Ph.D. in biological science with training in avian biology highly desirable. Postdoctoral experience, strong communication skills, a commitment to teaching, and the demonstrated potential to interact in a collaborative, interdisciplinary research setting are necessary.

Starting date is negotiable and salary is competitive, commensurate with background and experience. An attractive benefits package is available.

Applicants should submit a letter of application, resume, academic transcripts, and the names and addresses of three professional references to: Dr. Robert G. Elkin, Chair, Search Committee, Department of Poultry Science, Pos. #: S-8799, The Pennsylvania State University, 213 Henning Building, University Park, PA 16802. CLOSING DATE: November 15, 2000, or until a qualified candidate is identified. For more information about the Department see: <http://poultry.cas.psu.edu/>

Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

# 3M

## Biochemist

3M Pharmaceutical's Signal Transduction team seeks a talented scientist to join in our efforts to isolate and characterize novel drug targets for new lead identification.

This individual should have a Ph. D. in Biochemistry and a minimum 4 years of post doctoral experience, preferably in the pharmaceutical industry. This experience should include the study of protein interactions and signal transduction pathways. A working familiarity with mass spectrometry and its applications to protein chemistry and sequencing would be a plus. This individual should possess a strong publication record, an innovative approach to their work, and a desire to thrive in a strong team-oriented setting.

3M provides an excellent benefits package with salary commensurate with experience. For confidential consideration please visit our web site at [www.3m.com/us/careers](http://www.3m.com/us/careers) and submit your resume on line or send two resumes (no phone calls or agencies) to:

**NAS Reply**  
**Dept. 10MP124**  
**Job # R48584**  
**Riverview Office Tower**  
**8009 34th Avenue South**  
**Minneapolis, MN 55425-1619**

Visit our web site [www.mmm.com](http://www.mmm.com)

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## X-Ray Crystallography and Medicinal Chemistry Kimmel Cancer Center of Thomas Jefferson University

The Kimmel Cancer Center of Thomas Jefferson University is seeking qualified candidates for tenure-track positions in the Structural Biology & Bioinformatics Program. The focus of the KCC, an NCI-designated cancer center, is to make discoveries in genetics, cell biology, biochemistry, structural biology and immunology of cancer and translate them into novel modalities for prevention, diagnosis and treatment. Investigators are supported in part by core facilities (nucleic acids, protein and peptide chemistry, confocal microscopy, pathology, x-ray and NMR, microarraying, rodents, zebrafish) and ten institutional training grants from the NCI.

Qualified candidates will have a PhD and post-doctoral experience in x-ray crystallography and/or medicinal chemistry and an interest in cancer as it relates to macromolecular structure and function. Faculty members are expected to establish and direct independent research in the Structural Biology & Bioinformatics Program and interface with investigators in the Genetics & Molecular Biology, Cell Biology & Signaling and Immunology Programs.

Qualified candidates should send a CV, statement of research and names of 3 references to: Dr. Charles Brenner, Kimmel Cancer Center, Thomas Jefferson University, 233 South 10th Street, Philadelphia, PA 19107. EOE. [www.kimcancercancercenter.org](http://www.kimcancercancercenter.org)



Thomas  
Jefferson  
University

## POSITIONS OPEN

### ANIMAL POPULATION GENETICIST SOUTHERN ILLINOIS UNIVERSITY CARBONDALE

The Department of Zoology at Southern Illinois University Carbondale invites applications for a tenure-track **ASSISTANT PROFESSOR** in population genetics. The Department seeks to complement its strengths in systematics and ecology with an individual whose research combines molecular genetics with strong theoretical and analytical skills. Possible research areas include (but are not limited to) conservation, ecological, evolutionary, and physiological population genetics. Modern research facilities and start-up funds are available. The successful candidate will be expected to develop an externally funded research program and supervise M.S. and Ph.D. students. Teaching duties include undergraduate courses in genetics and a graduate-level course in the area of specialization. Candidates must have a Ph.D. in an appropriate field, postdoctoral training, a record of peer-reviewed publication and scholarly accomplishments commensurate with experience, and evidence of funding potential. Position begins 16 August 2001. Applicants should send curriculum vitae, statement of research and teaching interests, copies of undergraduate and graduate transcripts, and have three letters of reference sent to: **Dr. Carey Krajewski, Search Committee Chair, Department of Zoology, Southern Illinois University, Carbondale, IL 62901-6501**. Review of applications will begin on 15 November 2000. Information about the Department and University can be found at [website: //www.siu.edu/zoology](http://www.siu.edu/zoology) and e-mail inquiries should be directed to the Search Committee Chair (e-mail: [careyk@siu.edu](mailto:careyk@siu.edu)). *Southern Illinois University Carbondale is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.*

As part of a continuing expansion of the Department of Plant Biology at The Ohio State University, a tenure-track position is available for a Plant Molecular Biologist at the **ASSISTANT PROFESSOR** level. Applicants addressing fundamental questions in plant physiology, signal transduction, development, biochemistry, and genomics are especially encouraged, but applications in other areas will be seriously considered as well. Postdoctoral experience and a record of excellence in research are required. The successful candidate is expected to establish a strong and creative research program and to excel in undergraduate and graduate teaching. Faculty have the opportunity to participate in the campuswide Program in Plant Molecular Biology and Biotechnology. Please submit curriculum vitae, a concise statement of research plans, a description of teaching experience and interests, and three reference letters to: **Dr. Fred Sack, Search Committee Chair, Plant Biology, Ohio State University, 1735 Neil Avenue, Columbus, OH 43210-1293**. Review of applications will begin December 10, 2000. For more information, visit [website: http://www.biosci.ohio-state.edu/~plantbio/plantbio.html](http://www.biosci.ohio-state.edu/~plantbio/plantbio.html). *The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, Vietnam-era veterans, disabled veterans, and individuals with disabilities are encouraged to apply.*

### PHYSICAL/BIOPHYSICAL CHEMIST

For tenure-track **ASSISTANT PROFESSOR** position starting September 1, 2001. Successful candidate may teach physical chemistry, physical chemistry for biochemists, freshman chemistry, chemistry for nonscience majors, and perform biophysical research with undergraduates. Ph.D., excellent communication skills, and a commitment to teaching are required. Send curriculum vitae, graduate transcript, statement of teaching philosophy, research plans, and three letters of recommendation to: **Chemistry Search Committee, Department of Chemistry and Physics, Rowan University, Glassboro, NJ 08028**. Review of applications begins November 15, 2000, and continues until position is filled. See our [website: www.rowan.edu/chemphys](http://www.rowan.edu/chemphys). *An Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN



### DIRECTOR CONSERVATION RESEARCH FELLOWSHIP PROGRAM

The Nature Conservancy (TNC) seeks a Director for the David H. Smith Conservation Research Fellowship Program. This program awards more than \$1 million annually in fellowships for postdoctoral and visiting scientists to conduct research on pressing conservation problems affecting TNC sites. The Director provides overall leadership and builds, markets, and manages the program. He/she collaborates as part of a TNC team, furthering the general goal of improving conservation through research. The ideal candidate combines strong leadership, management, and communication skills with broad scientific knowledge and a fundamental understanding of how research can help solve real-world conservation problems. Ph.D. in conservation biology, ecology, or related field required. Up to 20% time may be devoted to research at TNC sites. Salary: \$70,000 to \$80,000. Located in Arlington, Virginia (strongly preferred), with frequent travel. Review full posting at [website: http://www.tnc.org](http://www.tnc.org) before applying (listed under "Headquarters"). Submit letter, curriculum vitae, and names of three references by 31 October 2000 to: **Dr. E.A. Chornesky, The Nature Conservancy, c/o Environmental Studies Department, Natural Sciences 2, 1156 High Street, University of California, Santa Cruz, CA 95064**.

### MOLECULAR BIOLOGIST/VIROLOGIST:

AviGenics, the biotechnology leader in avian transgenesis, has an opening for a **SENIOR SCIENTIST** in virology. The selected individual will assume a leadership role in the development and implementation of the company's retroviral-based platform for creation of transgenic flocks. Responsibilities include planning group activities, optimizing transfection/expression conditions, independently executing research projects, and supervising Ph.D./non-Ph.D.-level Scientists. A Ph.D. in molecular biology, virology, or a related field plus one to two years of postdoctoral experience in viral molecular biology are required.

AviGenics is located in Athens, Georgia, the heart of innovative poultry research. We offer competitive compensation and an attractive benefits package within a cutting-edge, team-oriented work environment with opportunities for personal advancement and professional growth. For immediate consideration, qualified applicants should mail résumés to: **Human Resources, AviGenics Inc., 425 River Road, Athens, GA 30602-1506**. E-mail: [garland@avigenics.com](mailto:garland@avigenics.com); FAX: 706-227-2180. *AviGenics is an Equal Opportunity Employer.*

### Midsize health care advertising agency has TWO WRITING POSITIONS available.

Two years of minimum experience in the communications field, either medical education or agency. Ph.D./M.D. with a therapeutic background that is diverse and with a combination of oncology, anti-infectives, and cardiovascular. Candidate must have had client exposure and management experience. Please send curriculum vitae, salary requirements, and writing sample.

Technical Writer with Ph.D./M.D.; no experience necessary. Oncology or cardiovascular background a plus. Please send curriculum vitae, salary requirements, and writing sample to: **Box 94, 1200 New York Avenue, N.W., Washington, DC 20005**.

## POSITIONS OPEN

### FACULTY POSITION X-RAY CRYSTALLOGRAPHY

The Department of Molecular Genetics, Biochemistry, and Microbiology invites applications or nominations for a **TENURE-TRACK POSITION** in the area of X-ray crystallography. The successful candidate will bring the discipline to our structural biology program which includes a world-class NMR facility with one 400, one 500, two 600, and one 800 MHz instrument. Structural biology has been designated a priority of the college. With 26 full-time faculty, we maintain strong active research programs in multiple disciplines including structural biology, differentiation, developmental and cancer biology, human genetics, molecular and cellular immunology, viral and microbial pathogenesis, and membrane transport. We support an active graduate program and maintain core facilities accessible to all university faculty for production of transgenic and knockout mice and DNA synthesis and sequencing. These opportunities are complemented by proteomics, gene expression and informatics cores, and mouse physiology and pathology services in other departments and by the Barrett Cancer Center and the Cardiovascular Center, providing a breadth of research opportunities unparalleled at most research institutions.

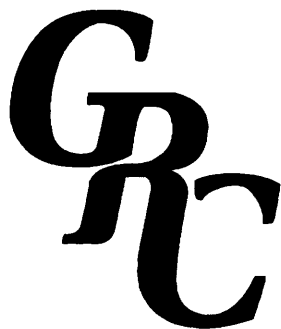
For further information, please see [website: http://ucmg65.med.uc.edu/](http://ucmg65.med.uc.edu/). Applicants should submit curriculum vitae, brief description of research, and the names of three qualified references to: **Jerry B. Lingrel, Ph.D., Professor and Chair, Department of Molecular Genetics, Biochemistry, and Microbiology, P.O. Box 670524, Cincinnati, OH 45267-0524**. *Affirmative Action/Equal Opportunity Employer.*

### FACULTY POSITIONS SEALY CENTER FOR CANCER CELL BIOLOGY

#### University of Texas Medical Branch

The Sealy Center for Cancer Cell Biology, a privately endowed cancer research center, seeks candidates for tenure-track faculty positions at all levels in the molecular and cellular biology of cancer. Preference will be given to candidates interested in working in a highly collaborative, interdisciplinary environment and whose interests enhance those of current Center faculty. Current areas of interest include the role of protein kinase C isozymes in carcinogenesis, the role of cell cycle regulatory proteins in cancer, mechanisms of TGF- $\beta$ /SMAD signaling, the development of transgenic mouse models of cancer, the molecular dissection of hedgehog signaling in cancer, and the molecular mechanisms by which environmental factors influence carcinogenesis. Successful candidates will be expected to establish and maintain independent, externally funded research programs. Candidates will be provided with generous start-up packages, competitive compensation and benefits, and modern laboratory space within the Center. Candidates will hold tenure-track appointments in a basic or clinical department within the School of Medicine. Applicants for an **ASSISTANT PROFESSOR** position should have at least two years of postdoctoral or equivalent experience and strong publication records. Candidates for an **ASSOCIATE** or **FULL PROFESSOR** position should have established, funded research programs and strong publication records. Please send curriculum vitae, statement of research interests and goals, and the names of three references to: **Alan P. Fields, Ph.D., Director, Sealy Center for Cancer Cell Biology, University of Texas Medical Branch, MRB 9.104, 301 University Boulevard, Galveston, TX 77555-1048**.

*University of Texas Medical Branch is an Equal Opportunity/Affirmative Action Employer; Minority/Female/Disabled/Veteran. UTMB is a smoke-free/drug-free workplace and hires only individuals authorized to work in the United States.*



# GORDON RESEARCH CONFERENCES

Conferences at the Frontiers of the Biological, Chemical and Physical Sciences

- The 2001 Winter and Spring GRC programs will appear in the October 6, 2000 issue of **SCIENCE**.
- The preliminary 2001 Summer GRC programs will appear in the November 24, 2000 issue of **SCIENCE**.

visit the *frontiers of science* at:

**WWW.GRC.URI.EDU**

Our web site contains the complete schedule of current and upcoming Conferences.

Apply directly from the web! Check it out now, Conferences fill up fast!

## MEETINGS

### Society for Integrative and Comparative Biology

#### 2001 Annual Meeting

<http://www.sicbmeeting.org>

January 3-7, Hilton Chicago,  
Chicago, Illinois

Society for Integrative and Comparative Biology (SICB) with the Animal Behavior Society, American Microscopical Society, International Society for Invertebrate Reproduction and Development, Physiological Ecology Section of the Ecological Society of America and The Crustacean Society invite you to attend the 2001 Annual Meeting, January 3-7 at the Hilton Chicago.

The Annual Meeting for SICB is an educational and research forum for scientists and students studying the biological sciences. The meeting will include many symposia, workshops and special programs in addition to hundreds of contributed papers in divisional and topical sessions. These sessions will feature current topics by researchers in many fields. Check the SICB Meeting Web site at <http://www.sicbmeeting.org> for Schedule of Events, symposia listings, program details, updates and the posting of abstracts after November 6, 2000.

SICB Business Office  
1313 Dolley Madison Blvd. • Suite 402 • McLean, VA 22101  
Phone 703.790.1745 • 800.955.1236  
Fax 703.790.2672



## ANNOUNCEMENTS

### NOTICE: RAPID ACCESS TO PREVENTIVE INTERVENTION DEVELOPMENT — "RAPID"

#### National Cancer Institute

The National Cancer Institute announces the ongoing initiative: Rapid Access to Preventive Intervention Development (RAPID). RAPID will make available to academic investigators the preclinical and early clinical drug development contract resources of NCI's Division of Cancer Prevention. The goal of RAPID is the rapid movement of novel molecules and concepts from the laboratory to the clinic for clinical trials of efficacy. RAPID will assist investigators who submit successful requests by providing any (or all) of the pre-clinical and phase 1 clinical developmental requirements for phase 2 clinical efficacy trials. These include, for example, preclinical pharmacology, toxicology, and efficacy studies; bulk supply, GMP manufacturing, and formulation; and regulatory and IND support and phase 1 clinical studies. Suitable types of agents for RAPID may range from single chemical or biological entities to defined complex mixtures with the potential to prevent, reverse, or delay carcinogenesis. For more detailed information, visit the web site: <http://dcp.nci.nih.gov/CB/>

Requests for RAPID resources are to be submitted as described in the web site. Written requests will be evaluated by a specially constituted RAPID panel, consisting of selected NCI staff and outside experts from academia and industry. Requests must be received on or before November 21, 2000. Applications should be submitted directly to the office listed below. Inquiries are encouraged, and the opportunity to clarify issues or questions is welcome. This notice has also been published in the NIH Guide. Please contact:

#### RAPID

James A. Crowell, Ph.D.  
Division of Cancer Prevention, NCI  
Executive Plaza North, Suite 201

6130 Executive Blvd.  
Bethesda, MD 20892

Rockville, MD 20852 (for express/courier service)

telephone (301) 594-0459

fax (301) 402-0553, (301) 594-2943

email: [jc94h@nih.gov](mailto:jc94h@nih.gov)



## POSITIONS OPEN

### PLANT BIOLOGIST KALAMAZOO COLLEGE

Applications are invited for a tenure-track position to begin in the fall of 2001 at the **ASSISTANT PROFESSOR** level. Teaching responsibilities include plant science, participation in the introductory biology sequence, and other courses according to the appointee's area of expertise, preferably environmental science and ecology. Ph.D. and postdoctoral experience required. Salary competitive and commensurate with experience. Kalamazoo College is a highly selective, nationally recognized liberal arts college that takes pride in its outstanding undergraduate science education program. A recent study ranked the College fifth among baccalaureate institutions in the proportion of its graduates who ultimately receive Doctorates in the life sciences. Candidates are expected to have a high aptitude and interest in undergraduate teaching, a commitment to the liberal arts, and a desire to involve undergraduates in scholarship both inside and outside the classroom. Completed applications received before December 15, 2000, will receive full consideration, with later applications reviewed as appropriate. Send letter of application, curriculum vitae, undergraduate and graduate transcripts (unofficial are acceptable), statement of teaching philosophy and research interests, and three letters of recommendation to: **Dr. David Evans, Chair, Department of Biology, Kalamazoo College, 1200 Academy Street, Kalamazoo, MI 49006-3295**. To ensure that its searches consider women and minority candidates, the College especially invites such qualified individuals to apply and identify themselves if they wish. *Equal Opportunity Employer.*

### ASSISTANT PROFESSOR POSITION DEPARTMENT OF BIOCHEMISTRY UNIVERSITY OF WISCONSIN-MADISON

The Department of Biochemistry at the University of Wisconsin-Madison invites applications for a position at the Assistant Professor level. We are especially interested in applications from individuals whose research deals with the molecular basis of physiological responses in animals, but applications in other areas of biochemical research will also be considered. The University and Department provide an excellent environment for the development of an outstanding research program.

The successful candidate will be expected to pursue a vigorous independent research program and participate enthusiastically in the undergraduate and graduate teaching programs of the Department. Applications including curriculum vitae, list of publications, and a brief summary of accomplishments and direction of future research should be sent to: **Professor H. F. DeLuca, Chair, Department of Biochemistry, University of Wisconsin-Madison, 433 Babcock Drive, Madison, WI 53706-1544**. Please reference PVL 38301 in all correspondence. Review of applications will begin on December 1, 2000, but the search will continue until a suitable applicant is identified.

*The University of Wisconsin is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities. Under Wisconsin statutes, names, titles, and addresses of applicants may be subject to public release upon request.*

**A POSTDOCTORAL POSITION** is available immediately at the University of Virginia to study the molecular mechanisms underlying pancreatic beta-cell differentiation. Areas of investigation include transcription factor/DNA interactions, beta-cell gene regulation, and cell lineage mapping in the islet. Additional information is available at [website: http://faculty.virginia.edu/mirmira](http://faculty.virginia.edu/mirmira). Candidates should possess an M.D. and/or Ph.D. and have a strong background in molecular biology; experience in cell culture and immunohistochemistry is desirable. Please send curriculum vitae and names of three references, preferably by FAX or e-mail, to: **Dr. Raghu Mirmira, Department of Medicine, University of Virginia, Box 800746, Charlottesville, VA 22908**. FAX: 804-243-5853; e-mail: [mirmira@virginia.edu](mailto:mirmira@virginia.edu).

## POSITIONS OPEN

Ferring Research Institute Inc., San Diego division of Ferring Pharmaceuticals, has immediate openings for a self-motivated **BIOLOGIST** at the B.S./B.A. level to join a multidisciplinary discovery team. Ferring Pharmaceuticals is an international pharmaceutical company specializing in products for the treatment of hormone-related disorders ([website: www.ferring.com](http://www.ferring.com)). Ferring is continuing to discover and develop new drugs and is dedicated to an innovative workplace.

### RESEARCH ASSOCIATE: B.S./B.A.

The successful candidate will assist in the identification and molecular characterization of potential therapeutic targets and will assist in the development and construction of molecular tools and assays to be utilized by team members. Two years of laboratory experience are required. General molecular biology skills including DNA/RNA isolation and analysis, PCR, tissue culture (maintenance and transfection of mammalian cell lines), and general computer literacy are all required. Experience in cloning, reporter assays, protein expression, Northern and Western blotting, quantitative PCR methodologies (e.g., TaqMan), and the use of DNA analytic software and databases is desired. B.S./B.A. degree or the equivalent in biological sciences is required.

Ferring Research Institute Inc. offers competitive compensation and benefits packages. Qualified applicants are encouraged to apply in writing. Closing date: October 31, 2000.

Send or FAX a cover letter, résumé, salary history, and the names of three references to: **Ferring Research Institute Inc., 3550 General Atomics Court, 2-422, San Diego, CA 92121**. FAX: 858-455-3190; e-mail: [jobs@fering.com](mailto:jobs@fering.com).

### EVOLUTIONARY BIOLOGY FACULTY POSITION

The Department of Biological Sciences at Vanderbilt University seeks candidates to fill a rank-open, tenured or tenure-track faculty position in evolutionary biology for the 2001-2002 or 2002-2003 academic year. We are especially interested in applicants who use molecular methods to investigate population and/or phylogenetic questions. Individuals studying any organismal group will be considered carefully, although those working with plants are particularly encouraged to apply. The central criteria for this position are excellence in research and the ability to teach effectively at undergraduate and graduate levels. For information about the Department, visit our [website: http://www.biosci.vanderbilt.edu](http://www.biosci.vanderbilt.edu). Applicants should send a letter of application together with curriculum vitae, a statement of current and future research interests, and selected reprints to: **Evolutionary Biology Search Committee, Department of Biological Sciences, Vanderbilt University, VU Station B 351634, Nashville, TN 37235-1634 U.S.A.** Junior faculty applicants should also arrange for three letters of recommendation to be sent to the same address. Senior faculty applicants should provide a list of at least six references who would be willing to provide letters on request. Review of applications will begin November 13, 2000, and will continue until the position has been filled. *Vanderbilt University is an Affirmative Action/Equal Opportunity Employer.*

Tulane University School of Medicine, Department of Medicine, Section of Nephrology is searching for a Ph.D. Scientist with background in cell and molecular biology to become involved in an ongoing funded project involving transport. Modern laboratory with latest equipment and excellent technical assistance provided. Very competitive salary and benefits package including appointment as **RESEARCH ASSISTANT/ASSOCIATE PROFESSOR**. Interested applicants should send curriculum vitae and names, addresses, and telephone numbers of three references to: **Ms. Elise Legrand, 1430 Tulane Avenue, SL12, New Orleans, LA 70112**. E-mail: [elegran@tulane.edu](mailto:elegran@tulane.edu). Position will remain open until a qualified candidate is identified. *Affirmative Action/Equal Opportunity Employer. Women and minorities are urged to apply.*

## POSITIONS OPEN

### ASSISTANT PROFESSOR ENVIRONMENTAL CHEMISTRY AMHERST COLLEGE

A full-time tenure-track faculty position is available for a Ph.D. Chemist with an interest in the environment beginning in July 2001. The successful candidate will be expected to teach introductory courses in general chemistry, upper-level courses in either physical or inorganic chemistry, and to develop courses in environmental chemistry. Participation in interdisciplinary teaching will also be encouraged. She or he will be expected to establish a vigorous research program in which undergraduates can substantively participate. The research program can be drawn from any chemical discipline provided that there is a focus on environmental questions and processes.

Amherst College, a private coeducational liberal arts college of some 1,600 students and 165 faculty located in the Connecticut River Valley of western Massachusetts, participates with Hampshire, Mount Holyoke, and Smith Colleges and the University of Massachusetts in the Five-College Consortium. Applicants should submit detailed curriculum vitae, a description of their teaching and research plans, and should arrange for the forwarding of three letters of reference to: **Professor Patricia B. O'Hara, Chairman, Department of Chemistry, Amherst College, Amherst, MA 01002**. Review of materials will begin November 17, 2000.

*Amherst College is an Affirmative Action/Equal Opportunity Employer and encourages women, minorities, and persons with disabilities to apply.*

### DIRECTOR OF A UNIVERSITY OF CALIFORNIA DAVIS CENTER

#### for Computation in Science and Engineering

University of California Davis is making a major investment in a multidisciplinary computational science and engineering center and invites applications from outstanding candidates for the position of Director. The Center's formation recognizes computation's emerging importance in broad areas ranging from basic research to technological applications. The appointment will be at a senior faculty level and will initially be in an existing department. The Director will play a key role in the hire of a first round of five faculty members in computational science and engineering. A second round of five more faculty hires and the establishment of a department is planned. The Director will be expected to maintain a strong research program in addition to creating new interdisciplinary thrusts on campus. The position will remain open until filled but to assure full consideration, applications consisting of complete curriculum vitae and the names and addresses of four professional references must be received by January 5, 2001. Applications and nominations should be sent to: **CSE Search Chair, College of Engineering, Dean's Office, University of California, One Shields Avenue, Davis, CA 95616-5294**. Further information about UC Davis can be found at [website: http://www.ucdavis.edu](http://www.ucdavis.edu). *UC Davis is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to the achievement of diversity among its faculty, staff, and students.*

### STAFF SCIENTISTS PROTEIN INTERACTIONS CORE

The Protein Interactions Core at the University of Pennsylvania seeks a Staff Scientist with B.S./M.S. and three to five years of experience in protein expression, purification, and characterization; experience in optical biosensor interaction analysis a plus. The core also seeks a Ph.D.-level **MANAGER** with appropriate research potential and supervisory skills. Send résumés and names, telephone numbers, FAX numbers, and e-mail addresses for three references to: **Irwin Chaiken, Ph.D., University of Pennsylvania School of Medicine, 909 Stellar Chance Laboratories, 422 Curie Drive, Philadelphia, PA 19104-6100**. Telephone: 215-573-9678; FAX: 215-349-5572; e-mail: [chaiken@mail.med.upenn.edu](mailto:chaiken@mail.med.upenn.edu); [website: http://www.med.upenn.edu/imcgroup/](http://www.med.upenn.edu/imcgroup/).



## California State Polytechnic University, Pomona

The Biological Sciences Department seeks to fill three tenure-track faculty positions starting Fall 2001:

**Biology Educator** with demonstrated ability to teach a nonmajors General Biology course and willingness to participate in teaching an existing upper division Human Sexuality course. The successful candidate is expected to serve as coordinator of the nonmajors biology laboratories. Development of an externally funded research program in the areas of teaching and learning that emphasizes integration of modern media techniques in teaching is expected. Ph.D. in Biological Sciences and teaching experience required. Appointment expected at the Assistant or Associate Professor level dependent on qualifications and experience. Please address application to Biology Educator Search Committee. Email: [bioed@csupomona.edu](mailto:bioed@csupomona.edu)

**Plant Population Geneticist** with the ability to teach undergraduate Evolution, Genetics, and General Botany. The successful candidate will have the potential for excellence in undergraduate teaching and for developing an externally funded research program that will involve undergraduate and master's students. Teaching will include shared responsibility for Evolution, Genetics, and Plant Structures and Functions, senior level courses in Population Genetics and Plant Genetics, and other courses in the area of specialty. Ability to teach an introductory course in bioinformatics is desired. A research focus on applied population genetics in the field of conservation genetics is desired. Please address application to Population Geneticist Search Committee. Email: [popgen@csupomona.edu](mailto:popgen@csupomona.edu)

**Cell Biologist-Histopathologist-Toxicologist** with the ability to teach undergraduate classes in Histology, Cell Biology, and Tissue Culture, and develop upper division specialty courses such as Histotechnology (tissue sectioning techniques, histochemistry and immunohistochemistry), Histopathology and Environmental Toxicology. It is expected that the successful candidate will develop an externally funded research program in the area of cell/tissue culture with a molecular biology emphasis that will involve both undergraduate and graduate students. Please address application to Cell Biology Search Committee. Email: [cellbio@csupomona.edu](mailto:cellbio@csupomona.edu)

Our 33 member faculty offers B.S. degrees in five areas and M.S. degrees to a total enrollment of 950 students. All departmental faculty may be asked to contribute to introductory biology courses. The successful candidates will show potential for excellence in research and undergraduate teaching. Ph.D. in Biology or related field required. Teaching and postdoctoral research experience preferred. Applicants must send letter of intent, completed application form, curriculum vitae, three recent letters of reference, and two additional referees (with telephone numbers for all) to: Biological Sciences Department, California State Polytechnic University, Pomona, CA 91768-4032. Initial review of applicants will begin December 1, 2000, and continue until each position is filled. An Equal Opportunity/Affirmative Action Employer.

<http://www.csupomona.edu/~biology/>

## Associate Provost for Research Medical University of South Carolina

The Medical University of South Carolina (MUSC) invites nominations and applications for the position of Associate Provost for Research. MUSC, located in the historic, seaside city of Charleston, comprises of six academic colleges - Health Professions, Graduate Studies, Dental Medicine, Nursing, Medicine, and Pharmacy - and is affiliated with the Medical University Hospital Authority. As the only academic health center in South Carolina, it is the referral center for health care and the center of health sciences research in the state. MUSC leads all research universities in South Carolina in extramural funding with over \$113 million in extramural research and sponsored programs in FY2000. For additional information about the University and its research programs, visit <http://www2.musc.edu/rprovost.html>.

The Associate Provost for Research is responsible for monitoring institutional extramural and intramural research funding, assuring compliance with research integrity and risk protection mandates, coordinating the utilization of institutional research resources, and guiding research strategic planning. In addition, this individual provides leadership for the research activities of the university, including the continued education and development of both junior and senior scientists, with the goal of enhancing research initiatives. As the institution's chief research officer, the Associate Provost represents the University in research-related issues. This officer has oversight of the Offices of Research and Sponsored Programs, Research Development, and Research Integrity, and is responsible to the Vice President for Academic Affairs and Provost.

Qualified applicants must have (1) an earned doctorate with a strong scientific background in health, basic, or social sciences; (2) a record of scholarly and professional achievement that merits an appointment at the rank of full professor; (3) a strong record of personal accomplishment in research and in obtaining extramural grant support; and (4) administrative and management experience. Candidates should have the ability to attract resources to the university to maintain and enhance research and be able to work with many constituencies. Additional qualifications are knowledge of research compliance activities and experience in working with federal research agencies and private industry. Women and minorities are encouraged to apply.

Letters of application should be accompanied by a curriculum vitae and the names and addresses of three professional references. All inquiries will be kept confidential and contact with references will be made only with the permission of the applicant. The closing date is November 15, 2000. Please direct applications and nominations to:

**Judy R. Dubno, Ph.D., Chair and Richard M. Silver, M.D., Co-Chair**  
Associate Provost for Research Search Committee  
Medical University of South Carolina  
171 Ashley Avenue, P.O. Box 250002  
Suite 200-H Administration Building  
Charleston, SC 29425

## GLOBAL OPPORTUNITIES

### THE UNIVERSITY OF HONG KONG

香 港



大 學

The University of Hong Kong is one of the leading international comprehensive research universities in the Asia-Pacific region, with more than 100 departments and sub-divisions of studies and learning. There is currently an enrolment of more than 15,000 students (6,000 at postgraduate level). Research students come from more than 40 countries. The medium of instruction is English. The University is committed to its vision of globalisation, together with excellence in scholarship and research.

### Investigator in the Institute of Molecular Biology

Applications are invited for appointment as Investigator in the Institute of Molecular Biology (Ref: RF-2000/2001-95), tenable from 1 December 2000 or as soon as possible thereafter. The appointment will initially be made on a three-year fixed-term basis, with a possibility of renewal.

Applicants should have a PhD degree and at least 5 years' relevant post-doctoral research experience with an excellent publication record. The scope of research includes cell cycle control, signal transduction, bioinformatics and functional genomics. For details about the Institute, please visit its website: <http://www.hku.hk/hkuimb/>.

Annual salary [attracting 15% (taxable) terminal gratuity] is on a 15-point scale, with starting salary depending on qualifications and experience: HK\$403,740 - HK\$925,980 (approx. US\$51,759 - US\$118,710; US dollar equivalents as at 25 September 2000).

At current rates, salaries tax will not exceed 15% of gross income. The appointment carries leave, medical and dental benefits, an allowance for children's education in Hong Kong, and, where appropriate, a financial subsidy under the Home Financing Scheme for reimbursing either the actual rental payment or the mortgage repayment up to the relevant maximum entitlement may be provided.

Further particulars and application forms can be obtained at <http://www.hku.hk/apptunit/>; or from the Appointments Unit (Senior), Registry, The University of Hong Kong, Hong Kong (Fax (852) 2540 6735 or 2559 2058; E-mail: [apptunit@reg.hku.hk](mailto:apptunit@reg.hku.hk)). Closes: 6 November 2000.

*The University is an equal opportunity employer and enjoys a smoke-free environment*

## POSITIONS OPEN

### FACULTY POSITION PHYSIOLOGY AND PHARMACOLOGY

The Department of Physiology and Pharmacology in the College of Veterinary Medicine of the University of Georgia invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level available April 1, 2001, or thereafter. The successful candidate is expected to establish an active independent program of extramurally funded research and participate in veterinary medical and graduate teaching. We seek a candidate who will complement the research strengths within the Department and College. Program strengths in the Department include cell and molecular physiology, endocrinology, cardiovascular and renal physiology, molecular pharmacology, reproductive physiology, toxicology, and neuroscience ([website: www.uga.edu/vph](http://www.uga.edu/vph)). A D.V.M./Ph.D. or Ph.D. is required. Applicants should submit curriculum vitae, statement of research interests, and a list of three references to: **Dr. Scott Brown, Search Committee Chair, Department of Physiology and Pharmacology, College of Veterinary Medicine, University of Georgia, Athens, GA 30602. E-mail: sbrown@vet.uga.edu.** Applications received by December 1, 2000, are assured full consideration. *The University of Georgia is an Equal Employment Opportunity/Affirmative Action Institution.*

### FACULTY POSITION IN THEORETICAL CHEMISTRY DEPARTMENT OF CHEMISTRY McMaster University

The Department of Chemistry at McMaster University invites applications for a tenure-track position in the area of theoretical chemistry at the **ASSISTANT** or **ASSOCIATE PROFESSOR** position depending on qualifications. The successful candidate will hold a Ph.D. in physical chemistry or chemical physics, preferably with relevant postdoctoral experience, and will be expected to develop a strong research program and to participate in teaching at both the undergraduate and graduate levels. Applications, including curriculum vitae, a statement of research interests, and letters from three references, should be sent by November 15, 2000, to: **Dr. A. D. Bain, Chair, Theoretical Search Committee, Department of Chemistry, McMaster University, Hamilton, ON L8S 4M1 Canada. Telephone: +1 905-525-9140, extension 24524; FAX: +1 905-522-2509.** In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents. McMaster University is committed to Employment Equity and encourages applications from all qualified candidates, including members of visible minorities, aboriginal peoples, persons with disabilities, and women.

### GENETICS

The Department of Zoology is seeking to fill a tenure-track **ASSISTANT PROFESSOR** position in the area of eukaryotic genetics. The successful applicant will be expected to maintain an active research program, seek extramural funding, supervise student research, and participate in teaching graduate and undergraduate courses. The Department has state-of-the-art facilities for using molecular, cellular, and whole organism techniques and offers competitive start-up funds. The Department has 35 faculty, over 50 Ph.D./M.S. students, and approximately 1,000 majors ([website: http://zoology.muohio.edu/](http://zoology.muohio.edu/)). Miami University (enrollment 21,000) is rated nationally as a highly selective public university. Send letter of application, curriculum vitae, statement of teaching and research interests, and three letters of recommendation to: **Dr. Douglas Meikle, Chair, Department of Zoology, Miami University, Oxford, OH 45056.** Review of applications will begin on 1 December 2000 and continue until the position is filled. Ph.D. required. Position available August 2001. **Telephone: 513-529-3100; e-mail: meikled@muohio.edu** for more information. *Miami University offers Equal Opportunity in Employment and Education.*

## POSITIONS OPEN



### TANABE RESEARCH Laboratories, USA, Inc.

#### RESEARCH SCIENTISTS

The mission of Tanabe Research Laboratories U.S.A., Inc. (TRL; [website: www.trlusa.com](http://www.trlusa.com)) is to discover, optimize, and develop innovative pharmaceutical products to address unmet medical needs in major therapeutic categories including autoimmunity, inflammation, allergy, and asthma.

Opportunities currently exist for two creative **SCIENTISTS**. One Scientist will have hands-on experience with a variety of *in vivo* pharmacological models. The successful candidate will develop and validate *in vivo* models to support the research programs at TRL. The other Scientist will have hands-on experience in pharmacokinetics and drug metabolism. The successful candidate will possess strong skills in developing/validating analytical methods for the quantification of small molecule drugs and metabolites in biological matrices as well as strong computer/statistical analysis skills. A Ph.D. in a biological science; more than four years of relevant postgraduate research experience; and excellent interpersonal, communication, and leadership skills are required for both positions.

TRL offers a competitive salary and a comprehensive benefits package. Qualified candidates are invited to submit their curriculum vitae and a cover letter to:

**Tanabe Research Laboratories U.S.A., Inc.**  
4540 Towne Centre Court  
San Diego, CA 92121  
FAX: 858-558-0650  
E-mail: [jobs@trlusa.com](mailto:jobs@trlusa.com)

*TRL is an Equal Opportunity Employer.*

### NATIONAL EYE INSTITUTE NATIONAL INSTITUTES OF HEALTH

The intramural program of the National Eye Institute invites applications for a senior tenured position as a **RESEARCH SCIENTIST** within the Laboratory of Sensorimotor Research. Applicants will be expected to have an established research program related to understanding the neurobiology of the visual and/or oculomotor system in monkeys.

The Laboratory of Sensorimotor Research is devoted to understanding the organization of the brain related to the control of eye movements and visual perception. It has excellent facilities for the study of these systems in awake behaving primates, including dedicated computer systems, a machine shop, an electronics shop, and a histology laboratory. The Laboratory also provides the opportunity to collaborate on studies of human patients with diseases related to the visual and oculomotor systems.

Candidates should send a brief cover letter, curriculum vitae, bibliography, a one- or two-page statement of current research interests, copies of recent relevant publications, and three letters of recommendation to: **Dr. Lance M. Optican, Search Committee Chair, c/o Ms. Jean Steinberg, Building 49, Room 2A50, NIH, Bethesda, MD 20892-4435.**

The deadline for applications is December 1, 2000.

*NIH is an Equal Opportunity Employer. Selection of this position will be based solely on merit, with no discrimination for nonmerit reasons such as race, color, religion, gender, national origin, political affiliation, marital status, disability, age, sexual orientation, or membership or nonmembership in an employee organization.*

**DIRECTOR OF EDUCATION**, Selby Botanical Gardens: Selby invites applications for a full-time Director of Education. Ph.D. or Master's with five years of experience required. Responsibilities include grant writing, teaching, department administration, and program development. Must have experience in international education, public speaking, and grant writing. Botany experience a plus. Send résumé to: **Dr. Meg Lowman, Selby Gardens, 811 South Palm Avenue, Sarasota, FL 34236** by January 1, 2001. Position starts July 1, 2001. *Equal Opportunity Employer; drug free.*

## POSITIONS OPEN

### COMPUTATIONAL CHEMIST

Cerep, Inc. is a drug discovery biotechnology company in Redmond, Washington, operating as a wholly owned subsidiary of Cerep SA, a publicly traded company in France. We are currently seeking an individual to join our team as a Computational Chemist. The Computational Chemist will join an exciting team developing a next-generation Web-based tool for predictive analysis of *in vivo* and *in vitro* pharmaceutical drug properties from calculated molecular descriptors.

The successful candidate is required to have a background in physical chemistry with an understanding of the mechanisms of molecular interactions, techniques of conformational sampling, and optimization algorithms. The successful candidate's skills should include SAR modeling; data mining techniques; 3-D pharmacophore descriptors; MSI, Cerius2, SDK; and software development. Pharmaceutical industry or postdoctoral experience of one to four years is desired. In addition, the successful candidate will have scientific degree qualifications, preferably Ph.D., in computational chemistry; excellent interpersonal skills; exceptional analytical skills; a high degree of self-motivation; and ability to work as a proactive team member.

Cerep, Inc. offers a competitive total compensation package as well as an environment conducive to personal and professional growth. Please send your confidential curriculum vitae with salary requirements to the following e-mail address: [n.legresley@cerep.com](mailto:n.legresley@cerep.com). To learn more about Cerep, please visit our [website: http://www.cerep.com](http://www.cerep.com). *Cerep is an Equal Opportunity Employer.*

### BIOLOGIST Miami University

The Department of Zoology at Miami University has an opening for a broadly trained Biologist with the expertise to introduce molecular genetic techniques into the introductory courses on its campus in Hamilton, Ohio. The successful applicant will be expected to teach undergraduate courses in zoology, establish and maintain an active research program (specific area of research is open), and actively participate in university and community service. The Hamilton campus is an open-admission commuter campus with an enrollment of 2,600 students, located 16 miles from the main campus in Oxford, Ohio. Faculty on the Hamilton campus are full members of the Department of Zoology, which is composed of 35 faculty, over 50 Ph.D./M.S. students, and approximately 1,000 majors. The successful candidate will have access to state-of-the-art facilities for molecular, cellular, and whole organism research located on the Oxford campus. Send letter of application, curriculum vitae, statement of teaching and research interests, and three letters of recommendation to: **Dr. Ann Rypstra, Department of Zoology, Miami University, Oxford, OH 45056.** Review of applications will begin on November 27, 2000, and continue until the position is filled. Ph.D. required. Position will begin August 2001. **Telephone: 513-529-3100; e-mail: rypstral@muohio.edu; websites: http://zoology.muohio.edu/ and http://www.ham.muohio.edu/** for more information. *Miami University offers Equal Opportunity in Employment and Education.*

### RESEARCH ASSOCIATE

Research Associate holding Ph.D. or M.D. degree is sought in Department of Medicine at Stanford University Medical Center in area of developmental biology of cardiovascular systems. Specific focus of laboratory is role of cellular signaling in vascular development. Models utilized include *in vitro* tissue culture and whole embryo culture models. Candidate should have in-depth knowledge of cell and molecular techniques; experience in working with adenoviral expression vectors desirable. Responsibilities include carrying out their own research studies and guiding Research Assistants and Postdoctorals on other research projects. Qualified applicants should submit curriculum vitae and names of three references to: **Judith L. Swain, M.D., Chair, Department of Medicine, Attention: Pat Schade, Stanford University Medical Center. FAX: 650-498-6741; e-mail: pschade@leland.stanford.edu.**

# brainpower...

Merck Sharp & Dohme is part of Merck & Co., Inc., one of the world's leading pharmaceutical companies with over 62,300 employees worldwide. Merck discovers, manufactures and markets a broad range of products to improve human and animal health, and has an unparalleled reputation for innovative research. This year alone the company will invest £1.5 billion in research and development, a 15% increase on 1999.

**The Neuroscience Research Centre** is fully committed to the discovery of novel therapies for the treatment of disorders of the central nervous system including Alzheimer's disease, stroke, depression, anxiety, chronic pain and migraine. It is one of the largest dedicated neuroscience research laboratories in the world and is a premier site for Merck. It is located in picturesque parkland surroundings on the rural Hertfordshire/Essex border. Three positions are currently available within the Department of Biochemistry. All positions require enthusiasm, flexibility and the ability to interact in a team and communicate effectively.

## Biochemist

A biochemist is required to understand receptor structure, stoichiometry and expression using receptor subunit-specific antibodies. The successful candidate should have experience generating, purifying and characterising antibodies and in addition, familiarity with immunocytochemical techniques would also be desirable, but is not essential. This person will have a PhD with up to 5 years postdoctoral experience. Ref: BI008203

## Neurochemical anatomist

We require a highly motivated person to investigate the neurochemical and neuroanatomical changes associated with modified expression of neurotransmitter receptors in transgenic mice. Familiarity with standard neuroanatomical techniques, such as autoradiography and histochemistry and an understanding of neurochemical circuitry is essential. This position would suit a person with a PhD in an appropriate subject and up to 5 years postdoctoral experience. Ref: BI000796

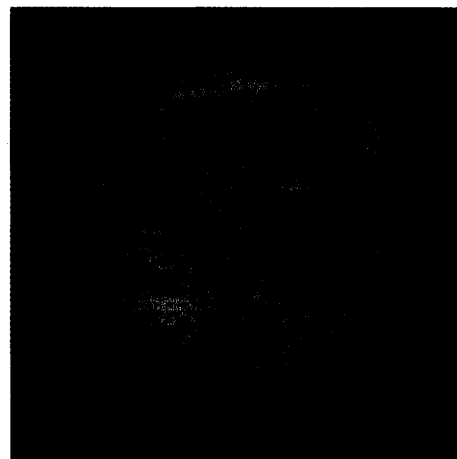
## In vivo neuroscientist

We are looking for a talented scientist, preferably with previous experience in Neuroscience, to examine the role of drugs which interact with central nervous system receptors *in vivo*. Ideally, the successful candidate will hold a current Home Office Licence and will have experience in the pharmaceutical industry along with a degree in Biochemistry, Pharmacology or related neuroscience based subject. Ref: BI009810

We offer excellent salary and benefits including private healthcare, life assurance, company pension scheme and, where appropriate, relocation assistance. There is also an on-site childcare facility.

Please write or e-mail, enclosing a full CV, quoting appropriate reference to: Recruitment Co-ordinator, Human Resources Department, **The Neuroscience Research Centre**, Merck Sharp & Dohme, Terlings Park, Eastwick Road, Harlow, Essex CM20 2QR. e-mail: [tp\\_hr@merck.com](mailto:tp_hr@merck.com) <http://www.msd-nrc.co.uk>

We will be at the Society for Neuroscience 30th Annual Meeting at the Morial Convention Centre, New Orleans, Louisiana, USA, 4-9 November 2000. If you are visiting, come in and see us.



...can take you  
anywhere



**MERCK SHARP & DOHME**

The Neuroscience Research Centre

## POSITIONS OPEN

### SCIENTIST/SENIOR SCIENTIST/ RESEARCH ASSOCIATE HARVARD MEDICAL SCHOOL

Harvard Medical School has an exceptional opportunity for a **CHEMIST/MEDICINAL CHEMIST** to join an NIH-NCI funded National Cooperative Drug Discovery Group (NCDDG) for anticancer drug discovery. The program involves design, synthesis, screening, and pharmacodynamic analysis of novel target-specific anticancer drugs. The candidate should possess a Ph.D. or equivalent and have experience in medicinal chemistry and organic synthesis with fluency in modeling and data management. We seek a Scientist who has excellent laboratory skills and the interpersonal and management skills necessary to coordinate an intensive, cooperative drug discovery effort. Salary and benefits are competitive and commensurate with qualifications. Qualified candidates should forward curriculum vitae, statement of research experience, and names of three references to: **Dr. José Halperin, M.D., Laboratory for Membrane Transport, Harvard Medical School, 240 Longwood Avenue, C1-607, Boston, MA 02115. E-mail: jose\_halperin@hms.harvard.edu.**

### BRAIN-BEHAVIOR RELATIONS AND DEVELOPMENT CORNELL UNIVERSITY

The Department of Human Development is extending its representation of brain-behavior relations in order to develop a research training program in the area. We seek applicants for a tenure-track **ASSISTANT PROFESSOR** position to begin August 2001. Applicants should have a substantive research focus within developmental psychology but with an expertise in neurobehavioral processes and methods (e.g., neuroimaging, genotyping, and/or pharmacological techniques). We seek applicants with one of two major foci: (1) developmental cognitive neuroscience, including elemental cognitive abilities and language; or (2) developmental social neuroscience, including social cognition, social displays, long-term effects of normal or extreme social experience on the brain, theory of mind, and/or normal and abnormal developmental processes that illuminate these areas. Complementary strengths in brain-behavior relations at Cornell exist in affective neuroscience, developmental psychobiology, the Cognitive Studies Program, the Departments of Psychology and of Neurobiology and Behavior, and in the Sackler Institute of Developmental Psychobiology in the medical school. Responsibilities include teaching three courses per year (typically two undergraduate and one graduate), supervising student research, and maintaining a productive and externally funded research program. Send curriculum vitae, statement of research and teaching interests, and three letters of reference to: **Brain-Behavior Search, Professor Richard A. Depue, Laboratory for Neurobiology of Temperament and Personality, Department of Human Development, MVR Hall, Cornell University, Ithaca, NY 14853.** Applications will be reviewed beginning November 27, 2000, although later applications will be considered until the position is filled. *Cornell University is an Equal Opportunity/Affirmative Action Employer.*

### POSTDOCTORAL POSITIONS

Postdoctoral positions are available immediately to study the molecular biology of small DNA viruses such as adenovirus, SV40, and BKV. Projects include studies of viral assembly, oncogenesis, and gene therapy vector development. See **website: [www.umich.edu/~imperial/lab](http://www.umich.edu/~imperial/lab)** for more details. Experience in DNA, RNA, and protein analysis required. Send curriculum vitae and three letters of reference to: **Dr. Michael J. Imperiale, Department of Microbiology and Immunology, University of Michigan Medical School, 1500 East Medical Center Drive, 6310 Cancer Center, Ann Arbor, MI 48109-0942. E-mail: imperial@umich.edu.**

## POSITIONS OPEN

### POSTDOCTORAL RESEARCH ASSISTANT CHIROPTERAN SYSTEMATICS

The Department of Mammalogy at the American Museum of Natural History seeks a Postdoctoral Researcher to participate in ongoing studies of morphology, phylogeny, biogeography, and systematics of bats. This individual will be expected to assist with data collection, phylogenetic analyses, library research, and writing scientific papers for publication. A Ph.D. in biology (or a related field) and a strong background in morphology and systematics are required; prior experience with myology, histology, molecular data, and/or combined data analyses is desirable. Salary is \$33,000 per annum plus benefits; two-year term with possibility of extension. Candidates should send the following application materials: curriculum vitae (including e-mail contact address), statement of research interests and goals, and copies of all relevant publications. Candidates should request letters of recommendation from at least three qualified reviewers. All materials should be sent to: **Dr. Nancy Simmons, Chair, Division of Vertebrate Zoology, American Museum of Natural History, New York, NY, U.S.A. 10024. E-mail: [simmons@amnh.org](mailto:simmons@amnh.org).** Evaluations will begin 1 November 2000 and will continue until the position is filled. *Equal Opportunity/Affirmative Action. Women and minority candidates are strongly urged to apply.*

### CHILDREN'S HOSPITAL HARVARD MEDICAL SCHOOL

**POSTDOCTORAL POSITIONS** open in a program studying glutamate transport in the brain. Areas of interest include (1) expression of the glutamate transporter GLT1/EAAT2 in the developing human brain; (2) regulation of glutamate transport activity at synapses; (3) identification of interacting partners for glutamate transporters and their functional significance; (4) signal transduction pathways interacting with glutamate transporters; (5) mechanisms regulating alternative splicing relevant to expression of the GLT1/EAAT2 gene; (6) role of defects in GLT1/EAAT2 expression and function in the pathogenesis of neurodegenerative disorders, in particular amyotrophic lateral sclerosis. A background in molecular biology and neurobiology is essential. Please contact: **Paul A. Rosenberg, M.D., Ph.D., Department of Neurology, Children's Hospital, 300 Longwood Avenue, Boston, MA 02115. FAX: 1-617-734-1646.**

### POSTDOCTORAL POSITION IN MOLECULAR NEUROSCIENCE

NIH-funded Postdoctoral position is available at the Department of Neurosciences, University of New Mexico Health Sciences Center. Successful applicants will join a dynamic program in gene regulation during nervous system development and plasticity. For further information, see **website: <http://www.unm.edu/~neurohsc/ad.htm>**. A Ph.D. and experience in molecular biology are required.

Preference will be given to candidates familiar with gene profiling techniques and work with transgenic animals. Send cover letter, curriculum vitae, and names of three references to: **Dr. Nora Perrone-Bizzozero, Department of Neuroscience, University of New Mexico, School of Medicine, Albuquerque, NM 87131. E-mail: [nbizzozero@salud.unm.edu](mailto:nbizzozero@salud.unm.edu).** *University of New Mexico is an Equal Opportunity/Affirmative Action Employer.*

**ASSISTANT or ASSOCIATE DIRECTOR** of the Harvard Brain Tissue Resource Center, an NIH national resource for the acquisition and distribution of postmortem brain tissue from patients with dementias, movement disorders, and major psychoses. Requirements: Ph.D. in neuroscience and/or neuroanatomy and good organizational and communications skills. Opportunity for Harvard appointment and advancement. Send curriculum vitae and recent photograph to: **Francine M. Benes, M.D., Ph.D., Director; e-mail: [benes@mclean.harvard.edu](mailto:benes@mclean.harvard.edu).** *Equal Opportunity Employer.*

## POSITIONS OPEN

### BIOINFORMATICS SCIENTIST

InformMax, Inc. is the leading provider of bioinformatics software to academia and industry. We are offering an exciting opportunity for a talented Scientist to take charge of research and development partnerships with Scientists at customer sites. This person will collaborate to develop and implement novel data mining and analysis protocols in the area of high-throughput sequence and gene expression analysis. Direct experience with large-scale sequence or gene expression data analysis is required. Requirements also include a Ph.D. in molecular biology or related field, more than two years of postdoctoral experience, and demonstrated ability to solve biological problems using computer-based approaches. Familiarity with UNIX and a programming language is preferred.

For immediate consideration, please send your cover letter and résumé to: **InformMax, Inc., Attention: Recruiting Manager, 6010 Executive Boulevard, North Bethesda, MD 20852. E-mail: [employment@informaxinc.com](mailto:employment@informaxinc.com).** Take a look at us on **website: [www.informaxinc.com](http://www.informaxinc.com).**

**BEHAVIORAL ECOLOGIST.** Knox College anticipates an opening for a full-time tenure-track position at the rank of **ASSISTANT PROFESSOR** beginning September 2001. A Ph.D. is required. Knox College expects and supports research with undergraduates, and research is required for the major. The candidate is expected to teach in our introductory biology sequence and in areas such as animal behavior, ecology, and evolution. The successful candidate will have the opportunity to develop courses in his/her specialty. Preference will be given to candidates with a research agenda accessible to undergraduates that utilizes Knox College's 760-acre field station. Candidates should submit curriculum vitae, academic transcripts, statements of teaching philosophy and research interests, and three letters of recommendation to: **Dr. Mark Brodli, Campus Box 44, Knox College, Galesburg, IL 61401.** Review of applications will begin in December 2000. For more information about biology at Knox, check **website: <http://www.knox.edu/knox/knoxweb/academic/biology/home.html>**. *Affirmative Action/Equal Opportunity Employer. In keeping with the College's 163-year commitment to equal rights, Knox particularly invites applications from women and minorities.*

**FACULTY POSITIONS.** The Federated Department of Biological Sciences of Rutgers University-Newark and the New Jersey Institute of Technology seek to fill two tenure-track positions at the **ASSISTANT or ASSOCIATE PROFESSOR** level: (1) Cell Biologist with a research program on cell motility and the cytoskeleton including but not limited to molecular motors, cytoskeletal dynamics, cell signaling-cytoskeletal interactions, and/or cytoskeletal aspects of development; and (2) Cellular Immunologist with interests in cytokine gene regulation and/or signal transduction particularly as they relate to neuroimmunological responses to CNS trauma and/or neurodegenerative disease.

Candidates must have a Ph.D., postdoctoral training, a record of published research, and show potential for developing an independently funded research program. Applicants should submit curriculum vitae, a statement of research and teaching interests, and have three reference letters sent to: **Dr. G. Miller Jonakait, Chair, Department of Biological Sciences, Rutgers University, Newark, NJ 07102.** Closing date is November 15, 2000, or until qualified candidate is identified. *New Jersey Institute of Technology and Rutgers University are Equal Opportunity Employers.*

# Plant functional genomics: a new frontier for bioinformatics and molecular biology

Plants are the most efficient factories on our planet: evolved, optimised and sustainable.

Metanomics has the mission to identify the function and application of novel genes in plants.

We are conducting research into the relationship between gene function and plant performance. We use „state of the art“ approaches in genetics and chemical analysis.

We are an international team, fast, innovative, well resourced and sharply focused.

## Together with you?

We are seeking highly-qualified, creative and motivated individuals to enhance our inter-disciplinary team working in the areas of plant molecular biology and the mining of genomic and biochemical data sets.

## Plant Molecular Biologist

### Postdoctoral positions

We aim to recruit scientists with extensive experience in the methods of molecular biology, in particular sensitive PCR techniques. A strong knowledge of plant biology with a keen appreciation of the interplay between genetics and phenotype is also required.

Your challenge will include the development and optimisation of tools and methods for high-throughput plant genomics. You will be comfortable with state-of-the-art laboratory equipment and informatic systems. You will apply your knowledge of plant biology and genetics to the development of our gene discovery processes. You demonstrate creative thinking, strong organizational skills and teamwork. Novel problems excite.

## Biologist for Data Mining

### Postdoctoral positions

We are seeking a new kind of scientist: biologists who can drive data mining processes. Your ultimate challenge will be to assign gene function based upon the analysis of complex genetic and biochemical experimental data. Your toolbox will consist of creative thinking, databases, potent bioinformatic algorithms and statistical criteria.

We are looking for individuals with a strong background in biology, with particular emphasis in one of the areas of physiology, biochemistry or genetics. Experimental experience with chemical analysis, metabolism and/or DNA would be an advantage. You have good organizational skills, demonstrate initiative, enjoy teamwork and possess an empathy with computing.

We are looking forward to your application

Please send a full Curriculum vitae to:

**metanomics GmbH&Co. KGaA**  
**Tegeler Weg 33**  
**10589 Berlin – Germany–**  
[www.metanomics.com](http://www.metanomics.com)

A company of the  
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# IMMUNEX

## Creating the Future of Medicine™

### PROTEIN/ANTIBODY ENGINEERING RESEARCH POSITIONS

Immunex is establishing a new Protein Engineering Department devoted to the creation of engineered antibodies and other redesigned proteins for human therapy. The mutational analysis of proteins of therapeutic interest as well as the advent of novel molecular evolution technologies will facilitate this mission. The Department of Protein Engineering invites pioneering individuals with an established track record of scientific achievement and expertise in one or more of the following areas to submit their credentials: (1) antibody engineering, (2) protein structure-function analysis, (3) phage display and other molecular evolution technologies, (4) BIA-core technology, (5) *E. coli* expression of proteins, and (6) molecular modeling.

Appointments will be made at the level of **STAFF SCIENTIST** or **ASSOCIATE STAFF SCIENTIST** depending upon prior research experience and accomplishments. Preference will be given to candidates who have a Ph.D. and/or M.D. degree, excellent communication skills, and a proven track record of scientific achievement in a team environment.

At Immunex, you will find the resources, support, and freedom to accomplish great science! In addition, you will enjoy an exceptional compensation and benefits package. Please submit a scanable résumé specifying to: **Human Resources, Immunex Corporation, 51 University Street, Seattle, WA 98101. E-mail: job-info@immunex.com.** For more information, please visit our Employment website: **WWW.IMMUNEX.COM/CAREERS.** *Immunex is an Equal Opportunity Employer committed to diversity.*

### BIOCHEMISTRY/CHEMISTRY/ MOLECULAR BIOLOGY

The Minnesota Academy of Mathematics and Science (MAMS) seeks **INSTRUCTOR** beginning either January or July/August 2001. M.S. with teaching experience/Ph.D. in biochemistry or related field. Ability to teach classes in chemistry, biochemistry, biotechnology, and molecular biology. Use of multimedia in class, student research mentoring are pluses. MAMS, a private residential secondary institution in Winona, Minnesota, offers advanced courses to motivated and talented students from around the world. Applications accepted until position filled. Send curriculum vitae, teaching philosophy, transcripts (official copies for finalists), and three letters of recommendation to: **Biochemistry Search Chair, MAMS, 1165 West Broadway, Winona, MN 55987. Telephone: 507-453-5400; FAX: 507-453-5406; e-mail: deej@mps.org; website: http://mams.mps.org.** *MAMS is an Equal Opportunity Employer.*

### MICROBIOLOGIST/PLANT BIOLOGIST

Carroll College, a Catholic coeducational liberal arts college, invites applications for a tenure-track **ASSISTANT PROFESSOR** to begin fall 2001. A Ph.D. by August 2001 is required. Preference will be given to applicants who are able to teach both microbiology and botany to biology majors. Other teaching responsibilities include microbiology for nursing students and introductory biology for nonmajors. Applicants should be committed to undergraduate teaching and should have a strong interest in developing an undergraduate research program. Send cover letter, curriculum vitae, transcripts, three letters of recommendation, and a statement explaining teaching philosophy to: **Biology Search Committee, Office of Human Resources, Carroll College, 1601 North Benton Avenue, Helena, MT 59625** by December 1, 2000. Information about Carroll College and its biology program is available on our website: **http://www.carroll.edu.** *Equal Opportunity Employer.*

### POSTDOCTORAL FELLOWS IN MOLECULAR SYSTEMATICS AND EVOLUTION

The Natural History Museum of Los Angeles County, California, seeks applicants for W.M. Keck Foundation and R.M. Parsons Foundation Postdoctoral Fellowships. Experience with molecular sequence data in evolutionary and systematic studies with emphasis in ichthyology or herpetology is preferred. Start dates must be between January 1 and September 1, 2001; the term is one year. The salary is \$32,000 with benefits included. To apply, send curriculum vitae; reprints; contact information for three references; and a brief description of the proposed research, including fieldwork, to:

**Dr. Christine Thacker  
Natural History Museum  
900 Exposition Boulevard  
Los Angeles, CA 90007**

Applications will be accepted until November 30, 2000. Questions may be addressed to: **Dr. Thacker; e-mail: thacker@nhm.org** or **Dr. Kizirian; e-mail: kizirian@nhm.org.** *Equal Opportunity Employer.*

### JEREMIAH MEAD FELLOWSHIPS IN RESPIRATORY BIOLOGY

**POSTDOCTORAL POSITIONS**, including named Fellowships with annual stipend of \$38,000, are available in the Physiology program at the Harvard School of Public Health. Faculty interests include innate immunity, signal transduction, redox signaling, respiratory neurophysiology, cellular biomechanics, integrative physiology, physiological genomics, and bioengineering. These interests are applied to understanding physiology of the normal lung as well as physiological alterations associated with asthma, infection, and air pollution. Please send curriculum vitae, a brief statement of goals, and the names of three references to: **Jeffrey Fredberg, Ph.D., Physiology Program, Harvard School of Public Health, 665 Huntington Avenue, Boston, MA 02115. E-mail: meadfellowship@ppg-core.harvard.edu.** Further information is available at website: **http://www.hsph.harvard.edu/physiology.** *NIH support is available for U.S. citizens and permanent residents. Minority applicants are encouraged to apply.*

**Two POSTDOCTORAL POSITIONS** are immediately available for molecular genetic studies using transgenic mosquitoes. One focus is on improving genetic transformation systems for mosquitoes using tissue-specific promoters, and the other focus is the study of transposable element mobility and spread in mosquito populations. Send curriculum vitae and names of three references to: **Craig Coates, Ph.D., Texas A&M University, Center for Advanced Invertebrate Molecular Studies, 2475 TAMU, College Station, TX 77843-2475. E-mail: c-coates@tamu.edu; website: http://insects.tamu.edu/people/faculty/coatesc.html.** *Texas A&M is an Affirmative Action/Equal Opportunity Employer.*

### POSTDOCTORAL POSITION GERM LINE STEM CELLS

Studies include culture and transfection of male germ line stem cells (spermatogonia) and identification and isolation of genes active in stem cell self-renewal and differentiation. Send curriculum vitae, names of three references, and a letter describing research experience to: **Dr. R. L. Brinster, School of Veterinary Medicine, University of Pennsylvania, 3850 Baltimore Avenue, Philadelphia, PA 19104.**

**POSTDOCTORAL POSITION** in Boston is available immediately to study endothelial cell cycle regulation and angiogenesis. Candidates should have an M.D. or Ph.D. and a strong background in cellular and molecular biology. Please send curriculum vitae and three references to: **Douglas W. Losordo, M.D., Division of Cardiovascular Research, St. Elizabeth's Medical Center, Tufts University, 736 Cambridge Street, Boston, MA 02135. FAX: 617-789-5029.**



Virginia Commonwealth University

### PHYSICIAN-SCIENTIST

Endowed faculty position at a rank commensurate with experience. The qualified M.D. or M.D./Ph.D. candidate should be Board-certified/Board-eligible in internal medicine; allergy/immunology or rheumatology Board-certified/Board-eligible preferred. Candidates will be expected to develop an independent research program utilizing cutting-edge molecular and cell biology technologies to address important problems in these disciplines.

### LABORATORY RESEARCH DIRECTOR

A Research **ASSISTANT PROFESSOR** with experience in protein/enzyme biochemistry and cell and molecular biology is needed to work with principal Investigator. Responsibilities will include research, teaching, and laboratory supervision.

### POSTDOCTORAL RESEARCH FELLOWSHIP

Recent Ph.D./M.D. graduates with training in cell and molecular biology are sought for several Postdoctoral Fellowships. Candidates should be prepared to study mast cells and basophils using protein biochemical, molecular, cell biological, and proteomic techniques.

Interested candidates should send their curriculum vitae, letter of interest, and three references to: **Dr. Lawrence Schwartz, Chair, Division of Rheumatology, Allergy, and Immunology, Virginia Commonwealth University, P.O.B. 980263, Richmond, VA 23298-0263. E-mail: lschwartz@hsc.vcu.edu.** *Virginia Commonwealth University is an Equal Opportunity/Affirmative Action Employer. Women, minorities, and persons with disabilities are encouraged to apply.*

### PROTEOME INC.

Proteome is a rapidly growing company at the forefront of the bioinformation revolution that provides comprehensively curated protein databases to the pharmaceutical industry and to academia. Our steady expansion allows us to offer the following exciting career opportunities for scientific and business professionals:

### SCIENTIFIC AND TECHNICAL LIAISON

We are seeking a Scientific and Technical Liaison who will work to understand the needs and ensure the satisfaction of our corporate customers. The individual will interact closely with corporate customers and representatives of other Proteome departments to resolve problems and provide customer feedback on product usage. The position will also involve developing and conducting training sessions, both in-house and on-site, on the use of Proteome database products.

The successful candidate must have a Ph.D. with specific training in mammalian or other model systems. She or he must have excellent communication (verbal and written), organizational, and presentation skills; good computer skills are highly desirable; experience in teaching a plus. S/he must be self-motivated, willing to accept a variety of challenging assignments, and able to work independently as well as part of a team to bring assignments to a timely successful conclusion. This position requires travel.

Please send a cover letter and curriculum vitae to: **Human Resources, Proteome Inc., 100 Cummings Center, Suite 435M, Beverly, MA 01915. E-mail: hr@proteome.com. See website: www.proteome.com** for more information. *An Equal Opportunity Employer.*

**POSTDOCTORAL POSITIONS:** Novel sequence-specific DNA binding polyamides will be developed as selective gene expression inhibitors. Training in molecular biology is preferred. Submit curriculum vitae and names of three references to: **Dr. Terry Beerman, Pharmacology and Therapeutics Department, Carlton and Elm Streets, Roswell Park Cancer Institute, Buffalo, NY 14263.**

For our cardiovascular research – a core activity in the Pharmaceutical Business Group – we are looking for dedicated scientists who want to actively shape this dynamic and successful field. Our pharmaceutical research laboratories are among the best in the world. This is especially true of the modern key technologies, but also of conventional pharmacological research at Bayer. Our aim is to steadily increase the number of new product launches in the coming years.

## Biochemists

Kennziffer: 1828

## Molecular biologists

Kennziffer: 1839

## Pharmacologists

Kennziffer: 1847

## Cell biologists

Kennziffer: 1855

Your range of responsibilities will include both the development of cellular and noncellular screening systems and the assembly of an "Expression Pharmacology" group for in vitro and in vivo evaluation of new therapeutic concepts derived from enhanced basic research.

Successful applicants will normally have earned a doctorate in a scientific, veterinary or medical field and be able to direct a laboratory. Suitably qualified people may also be given the opportunity to enter the company directly as a department head. In addition, graduate scientists may join Bayer as technical employees in our research teams.

We offer a performance-related compensation package. Our wide range of human resources development tools will provide you with excellent opportunities to acquire further specialist skills and develop your career.

If you are attracted to the challenge of fulfilling our requirements in this role, please send your informative c.v. containing all relevant details (including copies of schools and university certificates) to the following address quoting the reference number.

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## POSITIONS OPEN

### **PATHOLOGIST ASSISTANT UNIVERSITY OF FLORIDA**

The Department of Pathology, Immunology, and Laboratory Medicine at the University of Florida College of Medicine is looking for a Pathologist Assistant or equivalent (Assistant in Pathology). This is a non-tenure-track position. B.S. degree or its equivalent is required with one year of formal training in histology and as a Pathology Assistant is required. The successful candidate must have an active Florida license in histology and have prior experience in a histology laboratory. Duties in surgical/anatomical pathology to include accessioning and grossing of surgical specimens, gross photography, autopsy pathology, and surgical pathology suite management. The candidate must be able to instruct residents and medical students in handling gross surgical specimens and must be capable of performing frozen sections. Deadline for candidates to apply is October 31, 2000, with an anticipated start date of November 15, 2000. Salary is negotiable. Please send curriculum vitae to: **Edward J. Wilkinson, M.D., University of Florida College of Medicine, Department of Pathology, Immunology, and Laboratory Medicine, Box 100275 JHMC, Gainesville, FL 32610-0275. FAX: 352-395-0437. Equal Opportunity/Affirmative Action Employer.**

**POSTDOCTORAL POSITIONS** available immediately to study molecular structure and structure-function correlations of ion channels and receptors and their physiological role. Techniques include multimodal atomic force/light fluorescence/confocal microscopy, electrophysiology, and nanodevices. Experience in high-resolution imaging with atomic force microscopy, designing integrated imaging systems or membrane biochemistry, and biophysics of channels and receptors required. Send curriculum vitae and names of references to: **Dr. R. Lal, Neuroscience Research Institute, University of California, Santa Barbara, CA 93106. FAX: 805-893-2005; e-mail: rlal@physics.ucsb.edu. University of California Santa Barbara is an Equal Employment Opportunity/Affirmative Action Employer.**

**NIH-funded POSTDOCTORAL POSITION** to study signal transduction of paracrine growth factors during corneal wound healing. The significance of the protein kinases PI-3K, AKT, and PKC isoforms in the modulation of wound healing is investigated. There is an exceptional research infrastructure and environment and good interactions with other research groups. Experience in biochemistry, molecular biology, and cell culture is required. Send curriculum vitae and names of three references to: **Dr. Haydee E. P. Bazan, Department of Ophthalmology and Neuroscience Center, 2020 Gravier Street, Suite D, New Orleans, LA 70112. Telephone: 504-599-0877; FAX: 504-568-5801; e-mail: hbazan1@lsuhsc.edu.**

### **POSTDOCTORAL POSITION**

Available immediately to study adjuvant-induced changes in antigen processing and presentation associated with enhanced virus-specific immune responses. Position is for two to three years. Experience in molecular immunology is preferred. Please send curriculum vitae, a statement of research interests, and names of three references (with telephone numbers) to: **Dr. Paul A. Offit, Section of Infectious Diseases, The Children's Hospital of Philadelphia, Abramson Research Building, 34th Street and Civic Center Boulevard, Philadelphia, PA 19104. FAX: 215-590-2025; e-mail: offit@email.chop.edu. Equal Opportunity Employer.**

**POSTDOCTORAL FELLOW** to study nuclear myosin I (see *Science* 290:337, 2000; *J. Biol. Chem.* 272:17,176, 1997). Ph.D. and biochemistry, cell biology, and/or molecular biology experience required. Salary based on experience. For fullest consideration, send curriculum vitae by November 15, 2000, to: **Primal de Lanerolle, Department of Physiology, University of Illinois at Chicago, 835 South Wolcott, Chicago, IL 60612. UIC is an Affirmative Action/Equal Opportunity Employer.**

## POSITIONS OPEN

### **IMMUNEX**

#### **Creating the Future of Medicine™**

A job where you can improve millions of lives, including your own.

Immunex is establishing a new Protein Engineering Department devoted to the creation of engineered antibodies and other redesigned proteins for human therapy. The mutational analysis of proteins of therapeutic interest as well as the advent of novel molecular evolution technologies will facilitate this mission.

We seek highly motivated individuals with skills in any aspect of antibody/protein engineering. Please submit an application for immediate consideration if you have a strong track record of research accomplishment in a team environment in one of the areas below.

#### **RESEARCH ASSISTANT/ ASSOCIATE POSITIONS**

Multiple positions are available for Molecular Biologists for the construction of engineered proteins, the creation and biopanning of phage display libraries, and the mutational analysis of proteins of therapeutic interest. Ideal applicants will have more than two years of laboratory experience in molecular biology including techniques such as site-directed mutagenesis, PCR, phage display, and construct assembly. Experience in the expression of proteins in *E. coli* is advantageous. The most desirable candidates will additionally have excellent communication and technical writing skills plus fluency in DNA analysis software. A B.S./M.S. degree in molecular biology or a related discipline is required (Number 00-0308).

#### **RESEARCH ASSISTANT/ ASSOCIATE POSITIONS**

Multiple positions are available for Protein Biochemists for the purification and biochemical characterization of engineered antibodies and other redesigned proteins. Ideal applicants will have more than two years of laboratory experience in protein chemistry techniques such as FPLC for the purification of recombinant proteins, SDS-PAGE, Western blotting, familiarity with amino acid analysis, N-terminal analysis, mass spectrometry, and ELISAs. The most desirable candidates will additionally have excellent communication and technical writing skills plus fluency with relevant computer software. A B.S./M.S. degree in biochemistry or a related discipline is required (Number 00-0309).

At Immunex, you will find the resources, support, and freedom to accomplish great science! In addition, you will enjoy an exceptional compensation and benefits package. Please submit a scannable résumé specifying Job Number to: **Human Resources, Immunex Corporation, 51 University Street, Seattle, WA 98101. E-mail: job-info@immunex.com. For more information, please visit our website: WWW.IMMUNEX.COM/CAREERS. Immunex is an Equal Opportunity Employer committed to diversity.**

#### **RESEARCH ASSOCIATE UNIVERSITY OF MARYLAND**

The Immunogenetics Division, Department of Pathology, at the University of Maryland is seeking an individual for a Research Associate position conducting studies in cancer immunology with particular emphasis on developing antigen delivery systems to generate antitumor immune responses. Individuals who have recently obtained their Doctoral degree in immunology or related fields with documented experience in cellular immunology and have completed a Postdoctoral Fellowship are encouraged to apply. Additionally, flow cytometry experience is desired. Candidates may be considered for tenured position dependent on qualifications and experience. Salary is commensurate with experience. Please send current curriculum vitae and list of references to: **Dean L. Mann, M.D., Department of Pathology, University of Maryland, School of Medicine, Room 7-00, MSTF, 10 South Pine Street, Baltimore, MD 21201, Attention: Cathy Brown.**

## POSITIONS OPEN

### **TWO NEUROBIOLOGISTS**

The Division of Biological Sciences ([website: www.biology.missouri.edu](http://www.biology.missouri.edu)) at the University of Missouri-Columbia invites applications for two new tenure-track positions in neurobiology, an **ASSISTANT PROFESSOR** and an **ADVANCED ASSOCIATE PROFESSOR/FULL PROFESSOR**. Applicants should be working in the general areas of the genetic basis of behavior or the experimental biology and neural modeling of sensory and/or motor systems. We are particularly interested in individuals whose research interests complement those of our current faculty. MU features strong interdisciplinary programs in neuroscience, molecular biology, and genetics.

The Division offers highly competitive salaries, generous start-up packages, modern research laboratories and support facilities, an active graduate program with institutional support for students and Postdoctoral associates, and a highly interactive faculty. Send curriculum vitae, reprints, statements of research and teaching interests, and three letters of reference to: **Dr. John David, Chair, Division of Biological Sciences, University of Missouri-Columbia, Columbia, MO 65211-7400. The review of applications will begin on December 20, 2000.**

*MU is an Equal Opportunity/Affirmative Action Employer. To request Americans With Disabilities Act accommodations, contact: Robin Brueckner at Telephone: 573-882-6650; e-mail: bruecknerr@missouri.edu. We are firmly committed to fostering ethnic and gender diversity in our faculty and our student body and thus strongly encourage applications from women and members of groups underrepresented in science.*

### **NEUROBIOLOGIST**

The Department of Zoology at the University of Washington seeks applications for a tenure-track faculty position. The appointment will most likely be made at the **ASSISTANT PROFESSOR** level but could be made at a more senior level (**ASSOCIATE** or **FULL PROFESSOR**) under exceptional circumstances. Although applicants in any area of neurobiology will be considered, those using physiological or molecular approaches to study the neural basis of behavior are especially encouraged. Successful candidates will be expected to contribute to undergraduate and graduate teaching and to establish an externally funded research program. Candidates should have a Ph.D. and at least one year of postdoctoral experience by start of appointment. Send curriculum vitae, descriptions of research and teaching interests, and three letters of recommendation to: **Chair, Neurobiology Search Committee, Department of Zoology, University of Washington, Seattle, WA 98195-1800. Priority will be given to applications received before December 1, 2000. The University of Washington is an Equal Opportunity/Affirmative Action Employer. The University of Washington is building a culturally diverse faculty and strongly encourages applications from women and minority candidates.**

### **POSTDOCTORAL RESEARCH POSITIONS**

Positions are available for experienced Postdoctoral Researchers in the laboratories of **Drs. K. Alpaugh and L. and A. Godwin** at the Fox Chase Cancer Center in Philadelphia, Pennsylvania. The research program involves a method for early detection of cancer and molecular genetic analysis of tumors. The candidates should have expertise in gene cloning and cDNA microarray analyses. A background in cell separation techniques and flow cytometry is beneficial but not required. Candidates should be highly motivated and interested in developing an independent research project in the exciting field of cancer genetics. A highly competitive salary with full benefits is available. For further information, call: **Dr. Andrew Godwin; Telephone: 215-728-2756. To apply, send full curriculum vitae with names and addresses of three references to: Andrew K. Godwin, Ph.D., Department of Medical Oncology, Fox Chase Cancer Center, c/o Human Resources, 7701 Burholme Avenue, Philadelphia, PA 19111. Equal Opportunity Employer.**



Serono Pharmaceutical Research Institute is an affiliate of Serono, Europe's largest and rapidly growing biotech company, headquartered in Geneva, Switzerland. Our institute is developing a novel strategy to prevent the protein conformational changes underlying amyloid formation in neurodegenerative disorders, such as Alzheimer's and prion diseases. (Nature Medicine 4: 822-826, 1998; The Lancet 355: 192-197, 2000)

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## SCIENTIST

Applicants should have extensive experience in techniques, used to resolve peptide structures (NMR, CD, FTIR and molecular modeling) and a familiarity with the synthesis of peptides and their mimetics. Previous work in the area of neurobiology will be an asset.

The successful candidate will be expected to have a PhD and have a good publication record.

This scientist will join a highly dynamic laboratory, supported by a financially successful company, which offers training, career development, and attractive remuneration and social benefits.

Further information about the position can be obtained from Dr. Claudio Soto by e-mail [Claudio.Soto@serono.com](mailto:Claudio.Soto@serono.com) or by visiting our web site [www.spri-serono.com](http://www.spri-serono.com). Please send your applications to the Human Resources department at the following address

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## CALL FOR PROPOSALS

### BMBF Competition "BioFuture"

The Federal Ministry of Education and Research (BMBF) intends to give younger scientists from Germany and abroad who are already experienced in heading a research group the opportunity to work on new, basic research-oriented approaches in the biosciences in Germany, independently and in their own team in order to generally improve chances for a further career in science or economy in Germany or to aim at self-employment in the private sector (e.g.; by setting up businesses or spin-out companies) in the medium term.

The teams (staff: 1 group leader, 1-2 postdocs, 1-2 doctoral students, 1-2 technicians; investments and expendable materials; depending on technical support required each) are to work for a period of 5 years on topics in the frontiers of biology and neighbouring disciplines such as chemistry, physics, mathematics, informatics, engineering sciences, nanotechnology, etc.

For the projects selected by a jury, nonrepayable grants will be awarded in the form of project funding.

**Deadline: December 4, 2000 (fourth call)**

Further information:

Internet: <http://www.fz-juelich.de/beo/beo.htm>

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### Division of Visual Science Lecturer

The Institute of Ophthalmology, University College London, is seeking to recruit an outstanding investigator to work in the Division of Visual Science. The Institute of Ophthalmology, which received a 5\* in the last Research Assessment Exercise, has a distinguished record of achievement and scholarship. The Division, which is undergoing a major expansion of expertise, space, and equipment, is concerned with basic research in visual psychophysics and in developing applications to vision rehabilitation.

Successful candidates will be highly motivated vision scientists currently working in any area of visual psychophysics. Areas of special interest include eye movements, image enhancement and understanding, and the psychophysics of reading and other everyday tasks. The successful candidate for this post will be encouraged, in addition to pursuing their core research, to take a special interest in the application of psychophysics to clinical problems related to vision impairment. The successful candidate for the post will be encouraged to participate in the development of new eye movement recording, fundus imaging, and visual simulation laboratories. Exciting opportunities will exist to develop cross-disciplinary collaborations that will build towards an integrated approach to visual function and rehabilitation in a stimulating environment for clinical and academic vision research. Superb new laboratory space is available.

Preliminary enquires should be made to the Head of the Division of Vision Rehabilitation Research and holder of the Helen Keller Chair, Professor Gary S. Rubin ([g.rubin@ucl.ac.uk](mailto:g.rubin@ucl.ac.uk); tel 020 7698 6989), or the Institute Director, Professor Adam Sillito ([ams.admin@ucl.ac.uk](mailto:ams.admin@ucl.ac.uk) tel 020 7608 6805). Formal applications should include a full CV, research proposal, and the names of three referees, and should be sent to the Director, Professor Adam Sillito, at the Institute of Ophthalmology.

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## POSITIONS OPEN

### JOHNS HOPKINS UNIVERSITY

#### JOHNS HOPKINS UNIVERSITY AUTOIMMUNITY/ NEUROIMMUNOLOGY

**SCIENTIST: POSTDOCTORAL/** or **RESEARCH ASSOCIATE** funded position to study exciting new strategies of antigen-specific immunotherapy for model autoimmune diseases. Projects involve specific therapy of experimental *myasthenia gravis* in animals and cell culture systems using gene transfer, transgenic mice, stem cell-based therapy, and novel therapeutic agents. Strong background in immunology and molecular biology and experience in cellular and antibody methods required. *We cannot consider overseas applications.* Curriculum vitae and list of references to: **Daniel B. Drachman, M.D., Professor of Neurology and Neuroscience, Johns Hopkins School of Medicine, 600 North Wolfe Street, Baltimore, MD 21287-7519, Meyer 5-119. FAX (preferred): 410-955-1961; e-mail: dandrach@aol.com. Equal Opportunity/Affirmative Action Employer.**

#### POSTDOCTORAL SCIENTIST BOSTON UNIVERSITY PROGRAM IN BIOINFORMATICS

A position is available for a highly energetic Scientist to work on DNA and peptide microarray design and analysis. The position will be part of a collaboration with the Fraunhofer Institute for Manufacturing Innovation and the Boston University School of Medicine on the development and application of high-accuracy, high-throughput microarrays. Applicants must have a Doctorate in mathematical statistics or a closely related area and a strong interest in biomedical research. Send curriculum vitae and letter of application to:

**Dr. Charles DeLisi**  
Boston University  
Bioinformatics Graduate Program  
48 Cummington Street  
Boston, MA 02215

#### RESEARCH POSITION IN TUBERCULOSIS

A **POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE** position is immediately available to work with six NIH-funded tuberculosis Investigators studying microbial factors that enhance intracellular growth of *M. tuberculosis*. The project will utilize modern molecular biology techniques including microarrays, real time PCR, and differential display. Tyler, Texas, is 100 miles east of Dallas, Texas, with low living expenses and excellent public schools. Send curriculum vitae to: **David Lakey, M.D. or Peter Barnes, M.D., University of Texas Health Center at Tyler, 11937 U.S. Highway 271, Tyler, TX 75708-3154. Telephone: 903-877-5957; e-mail: David.Lakey@UTHCT.edu. The University of Texas is an Equal Opportunity Employer.**

**NIH-funded POSTDOCTORAL POSITION** on RNA folding by fluorescence spectroscopy available (see *Nat. Struct. Biol.* 6:544, 1999; website: [www.umich.edu/rnaeopl](http://www.umich.edu/rnaeopl)). Excellent research facilities, including a state-of-the-art Ti:Sapphire laser system for time-resolved spectroscopy using single-photon counting, are used in this interdisciplinary project. Motivated candidates with demonstrated skills in fluorescence spectroscopy and/or RNA biochemistry are encouraged to apply. Send curriculum vitae and the names of three references to: **Dr. Nils G. Walter, Department of Chemistry, University of Michigan, 930 North University, Ann Arbor, MI 48109-1055. FAX: 734-647-4865; e-mail: nwalter@umich.edu. The University of Michigan is a nondiscriminatory Affirmative Action Employer.**

## POSITIONS OPEN

**POSTDOCTORAL POSITIONS** are available to study transcriptional and posttranscriptional regulation of gene expression in hepatocytes. Two grant-funded projects focus on (1) cyclic nucleotide regulation of Type-1 plasminogen activator inhibitor (PAI-1) mRNA degradation (*J. Biol. Chem.* 274:1172, 1999); and (2) molecular mechanisms of the crosstalk between glucocorticoid and TGF-beta signaling (*PNAS* 96:11776, 1999). Experience in molecular biology and biochemistry is required. Contact: **Thomas Gelehrter, M.D., Chair, Department of Human Genetics, Box 0618, University of Michigan Medical School, Ann Arbor, MI 48109-0618. E-mail: tdgum@umich.edu. An Equal Opportunity/Affirmative Action Employer.**

**POSTDOCTORAL RESEARCH ASSOCIATE** position (NIH funded) available immediately in the Department of Microbiology at Oregon State University to participate in a research project to study the effects of posttranslational modifications on the structure, function, and targeting of vaccinia virus proteins. Candidates must hold a Ph.D. or M.D., and previous experience with virology, biochemistry, or cell biology is required. Send letters of application, curriculum vitae, and names of references by October 30, 2000, to: **Dr. Dennis E. Hruby, Department of Microbiology, Oregon State University, Corvallis, OR 97331. E-mail: hrubyd@bcc.orst.edu. OSU is an Affirmative Action/Equal Employment Opportunity Employer and has a policy of being responsive to dual-career needs.**

#### POSTDOCTORAL POSITION WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

Position available to study the biochemical pathways of copper and iron metabolism in eukaryotic cells and the human diseases which result from perturbations in these pathways (see *PNAS* 96:13363, 1999; 97:2886, 2000). Experience in molecular and cell biology required. Send curriculum vitae and references to: **Jonathan D. Gitlin, M.D., McDonnell Pediatric Research Building, 660 South Euclid Avenue, St. Louis, MO 63110. FAX: 314-286-2893; e-mail: gitlin@kids.wustl.edu.**

#### POSTDOCTORAL FELLOW NEUROCHEMISTRY, NEUROSCIENCE

A Postdoctoral position is available to study neurotransmitters (glutamate and catecholamine) involved in mechanisms of pain and analgesia in the central nervous system. Experience in neurochemical (HPLC) assay and electrophysiological studies is preferred. Send curriculum vitae and the names of three references to: **Dr. Hui-Lin Pan, Penn State University College of Medicine, The Milton S. Hershey Medical Center, Department of Anesthesiology, P.O. Box 850, H187, Hershey, PA 17033.**

NIH training grant-funded **POSTDOCTORAL POSITION** (M.D., Ph.D., or equivalent) available immediately in the fields of immunological tolerance, autoimmunity, intracellular antibodies. Join a highly interactive interdepartmental research environment of more than 30 immunology groups. Previous experience in immunology, molecular/cell biology, or related fields preferred. *Candidate must be a U.S. citizen or permanent resident.* Send curriculum vitae and names of three references to: **Ignacio Sanz, M.D., University of Rochester School of Medicine and Dentistry, 601 Elmwood Avenue, Box 695, Rochester, NY 14642. FAX: 716-442-3214.**

**POSTDOCTORAL/RESEARCH ASSOCIATE** position available immediately to investigate the nature of interprotein binding and electron transfer between redox active membrane proteins such as cytochrome P450. A Ph.D. in biochemistry or chemistry essential. Knowledge of enzyme kinetics and stopped-flow spectroscopy preferred. Salary commensurate with experience. Send résumé and three letters of reference to: **L. Waskell, Ph.D., University of Michigan, VAMC, Research Service 11R, 2215 Fuller Road, Ann Arbor, MI 48105. E-mail: waskell@umich.edu.**

## POSITIONS OPEN

### INTERESTED IN CLINICAL OR POSTDOCTORAL RESEARCH TRAINING?

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#### ECOLOGIST IOWA STATE UNIVERSITY

We seek an Ecologist (**ASSISTANT PROFESSOR**, tenure track) interested in basic research on ecological processes relevant to the restoration of the diversity, structure, or functioning of natural ecosystems. This person will complement existing research activities in an expanded restoration ecology program (website: <http://www.iastate.edu/~botany/>). The successful candidate will develop an independent, competitively funded research program and be involved in undergraduate and graduate teaching. Applicants should submit curriculum vitae, statements of research interests and teaching philosophy and selected reprints, and have three letters of recommendations sent by November 6, 2000, to: **Dr. Tom Jurik, Ecologist Search, Department of Botany, 353 Bessey Hall, Iowa State University, Ames, IA 50011-1020. Iowa State University is an Equal Opportunity/Affirmative Action Employer.**

Seeking **POSTDOCTORAL FELLOWS** to study the virology, genetics, and biochemistry of HIV-1 drug resistance in state-of-the-art facilities and research environment. Opportunity exists for growth into tenure-track **ASSISTANT PROFESSOR** positions. Candidates should be M.D., Ph.D., or equivalent with the potential to establish an independent research program. Send curriculum vitae, summary of research interests, and names of three references to: **John W. Mellors, M.D., Chief, Infectious Diseases Division, Director HIV/AIDS Program, University of Pittsburgh, Graduate School of Public Health, 603 Parran Hall, 130 DeSoto Street, Pittsburgh, PA 15261. Telephone: 412/624-8512; FAX: 412/383-7982; e-mail: fern@pitt.edu. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer.**

**POSTDOCTORAL POSITIONS** are available to study the translational control of early development (*Xenopus*, mouse) or the translational control of synaptic plasticity in the mammalian central nervous system (mouse). All projects will take biochemical and molecular approaches and may employ a large repertoire of reagents including knockout mice that have been generated in ongoing studies. Interested parties should consult recent publications from the laboratory (e.g., *Neuron* 21:1129, 1998; *Molecular Cell* 4:1017, 1999; *Nature* 404:302, 2000; *Cell* October 2000 issue; *Molecular Cell* November 2000 issue). Please send a complete curriculum vitae and the names and addresses of three references to: **Dr. Joel D. Richter, University of Massachusetts Medical School, Biotech 4, Room 330, 377 Plantation Street, Worcester, MA 01605. E-mail: joel.richter@umassmed.edu.**

**POSTDOCTORAL RESEARCH ASSOCIATE:** This position (NIH funded) is available immediately in the Department of Microbiology at Oregon State University to participate in a research project to develop antiviral drugs to inhibit orthopoxviruses. Candidates must hold a Ph.D. or M.D., and previous experience with virology, biochemistry, or drug development is required. Send letters of application, curriculum vitae, and names of references by October 30, 2000, to: **Dr. Dennis E. Hruby, Department of Microbiology, Oregon State University, Corvallis, OR 97331. E-mail: hrubyd@bcc.orst.edu. OSU is an Affirmative Action/Equal Employment Opportunity Employer and has a policy of being responsive to dual-career needs.**

## POSITIONS OPEN

### FIVE POSTDOCTORAL POSITIONS IN REGENERATIVE BIOLOGY AND MEDICINE:

Indiana University-Purdue University Indianapolis; Medical Sciences Program, Indiana University Bloomington; Terre Haute Center for Medical Education; Indiana University School of Medicine

Molecular biology of limb and spinal cord regeneration: Five Postdoctoral positions will be available in January 2001 for a two-year project in regenerative biology and medicine. The research focus is on the molecular mechanisms that regulate limb and spinal cord regeneration in amphibians. The project is funded by the Indiana 21st Century Fund for Research and Technology and is a collaboration among investigators at Indiana University-Purdue University Indianapolis (IUPUI, two positions); Indiana University Bloomington (IUB, two positions); and the Terre Haute Center for Medical Education (THCME, one position) in conjunction with Eli Lilly and Company. Research will be carried out in the university locations and, for some of the projects, at Lilly. There is extensive interaction among members of the research team from all of the locations. Candidates will work with Drs. Ellen Chernoff, Simon Rhodes, and David Stocum at IUPUI; Anton Neff and Anthony Mescher at Indiana University Bloomington; and Michael King at the THCME.

Candidates should have a recent Ph.D., a strong background in cell and/or developmental biology, and knowledge of current techniques in molecular biology.

Please send curriculum vitae, description of research experience, and the names of three references to the Director of the Regenerative Biology and Medicine Group:

**Dr. Ellen Chernoff**  
Director of Regenerative Biology and Medicine  
IUPUI-Department of Biology  
723 West Michigan Street  
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Mayo Clinic **POSTDOCTORAL FELLOWSHIPS** in allergic diseases. Positions available immediately to study allergic diseases at Mayo Clinic Rochester, Minnesota and Mayo Clinic Scottsdale, Arizona. Aspects include discovery of novel eosinophil granule proteins, mechanisms and regulation of eosinophil activation, role of IgE in the allergic response, generation/characterization of murine transgenic and gene knockout models of allergic disease, eosinophil-associated cutaneous disease, inflammatory mechanisms of allergic diseases in humans, and function of respiratory smooth muscle. Applicants can work either at Mayo Clinic Rochester or Mayo Clinic Scottsdale. Please send curriculum vitae, bibliography, and names and addresses of three references to: Gerald J. Gleich, M.D., Department of Immunology, Mayo Clinic, 200 First Street S.W., Rochester, MN 55905. Telephone: 507-284-7166; FAX: 507-284-5045; e-mail: [gleich@mayo.edu](mailto:gleich@mayo.edu). Mayo Foundation is an Affirmative Action/Equal Opportunity Employer and Educator.

### POSTDOCTORAL POSITION BACTERIAL PATHOGENESIS TULANE UNIVERSITY MEDICAL CENTER

Postdoctoral position is available immediately to investigate molecular pathogenic mechanisms of *Pseudomonas aeruginosa* lung infection. Genetic, molecular, and immunological techniques as well as microbiological approaches will be used to investigate *P. aeruginosa* pathogenesis. An individual with a Ph.D. in microbiology, molecular biology, or biochemistry would be preferred. Salary and benefits commensurate with experience. Send curriculum vitae and three letters of reference to: Dr. Michael J. Schurr, Department of Microbiology and Immunology SL38, Tulane University Medical Center, 1430 Tulane Avenue, New Orleans, LA 70112-2699. Telephone: 504-988-4607; FAX: 504-588-5144; e-mail: [mschurr@tulane.edu](mailto:mschurr@tulane.edu).

## POSITIONS OPEN

**POSTDOCTORAL POSITION(s)** available to study the impact of chemokine, chemokine receptor, and cytokine genotypes on HIV pathogenesis including the impact on mother-to-infant transmission, disease progression, and the development of central nervous system impairment. Additional research opportunities will examine HIV-1 genotypes/phenotypes that impact on host-virus interactions and alter disease pathogenesis. Experience in molecular biological techniques required. Spoken and written fluency in English required. Applicants should provide curriculum vitae to: **Stephen A. Spector, M.D.**, University of California, San Diego, Stein Research Building, 9500 Gilman Drive, La Jolla, CA 92093-0672. Telephone: 858-534-7055; FAX: 858-534-7411; e-mail: [saspector@ucsd.edu](mailto:saspector@ucsd.edu).

**POSTDOCTORAL/RESEARCH ASSISTANT PROFESSOR** positions are available to map genetic, immunological, and signaling abnormalities in autoimmune diseases. Experience in molecular biology and/or immunology required. Send applications to: **Dr. A. Perl**, State University of New York, College of Medicine, 750 East Adams Street, Syracuse, NY 13210. E-mail: [perla@upstate.edu](mailto:perla@upstate.edu); website: <http://web.upstate.edu/~perla>.

## FELLOWSHIPS

### GRADUATE FELLOWSHIPS

The Academy for Educational Development invites applications for National Security Education Program (NSEP) Graduate International Fellowships. Fellowships enable U.S. graduate students to add an important international dimension to their education by supporting the study of languages, cultures, and world regions deemed critical to U.S. national security. Excluded is study of Western Europe, Canada, Australia, and New Zealand. Fellowships are awarded in a broad range of disciplines including applied, biological, economic, health, physical, and social sciences. Awards support overseas and domestic study for up to 24 months. Award recipients incur a requirement to work for a federal government agency or office involved in national security affairs or in U.S. higher education in an area for which the Fellowship was awarded, in that order of precedence. Applicants must be U.S. citizens enrolled in or applying to graduate programs in accredited U.S. colleges and universities located within the United States. Deadline: January 16, 2001. Contact: Academy for Educational Development, NSEP Graduate International Fellowships, 1825 Connecticut Avenue, N.W., Washington, DC 20009. Telephone: 202-884-8285 or 800-498-9360. Website: [www.aed.org/nsep](http://www.aed.org/nsep).

### SMITHSONIAN INSTITUTION FELLOWSHIP PROGRAM

**GRADUATE STUDENT, PREDOCTORAL, POSTDOCTORAL, AND SENIOR FELLOWSHIPS** in animal behavior, ecology, and environmental science including an emphasis on the tropics, Earth sciences, and paleobiology; evolutionary and systematic biology; history of science and technology. Tenable in residence at the Smithsonian facilities. Stipends and tenure vary. Deadline: January 15 annually. Contact: Office of Fellowships and Grants, Smithsonian Institution, Desk S, Washington, DC 20560-0902. Telephone: 202-275-0655; e-mail: [siofg@ofg.si.edu](mailto:siofg@ofg.si.edu); website: [www.si.edu/research+study](http://www.si.edu/research+study). An Equal Opportunity Employer.

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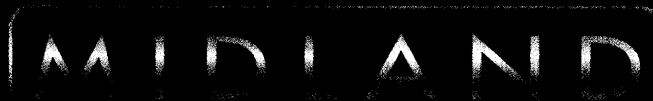
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